

# Immunotag™ Patched Antibody

| Antibody Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Catalog No.            | ITA0174                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Description    | Immunotag™ Patched Antibody                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Size                   | 100 µg, 200 µg                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                                                                                                                                                                                                                                                                                                           |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.                                                                                                                                                                                                                                                                                      |
| Target Protein         | Patched                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clonality              | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Application            | WB,IHC,IF/ICC,ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Recommended Dilution   | WB: 1:500~1:3000 IHC: 1:50~1:200, IF/ICC 1:100-1:500                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactive Species       | Human,Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Host Species           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Immunogen              | A synthesized peptide derived from human Patched                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity            | Patched antibody detects endogenous levels of total Patched                                                                                                                                                                                                                                                                                                                                                                                             |
| Purification           | The antiserum was purified by peptide affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                          |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                                                                                                                                                                                             |
| Gene Name              | PTCH1                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Accession No.          | Q13635                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Alternate Names        | A230106A15Rik; BCNS; FLJ26746; FLJ42602; Holoprosencephaly 7; HPE7; mes; NBCCS; OTTHUMP00000021709; OTTHUMP00000021710; Patched; Patched (Drosophila) homolog; Patched 1; Patched homolog (Drosophila); Patched homolog 1 (Drosophila); Patched homolog 1; Patched protein homolog 1; Protein patched homolog 1; PTC; PTC1; PTC1_HUMAN; PTCH; PTCH protein +12b; PTCH protein +4'; PTCH protein -10; PTCH protein; ptch1; PTCH1 protein; PTCH11; Ptch2; |

## Antibody Specification

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| Description               | Acts as a receptor for sonic hedgehog (SHH), indian hedgehog (IHH) and desert hedgehog (DHH). Associates with the smoothened protein (SMO) to transduce the hedgehog's proteins signal. Seems to have a tumor suppressor function, as inactivation of this protein is probably a necessary, if not sufficient step for tumorigenesis. |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                                                                                                                                                                                                                                                                                           |
| Protein MW                | 160kDa                                                                                                                                                                                                                                                                                                                                |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                  |