

# Immunotag™ PEX19 Antibody

| Antibody Specification |                                                                                                                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITA5159                                                                                                                                                                                                                           |
| Product Description    | Immunotag™ PEX19 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         | PEX19                                                                                                                                                                                                                             |
| Clonality              | Polyclonal                                                                                                                                                                                                                        |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                                                                      |
| Application            | WB,IF/ICC,ELISA                                                                                                                                                                                                                   |
| Recommended Dilution   | WB 1:500~1:1000, IF/ICC 1:100-1:500                                                                                                                                                                                               |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                           |
| Reactive Species       | Human                                                                                                                                                                                                                             |
| Host Species           | Rabbit                                                                                                                                                                                                                            |
| Immunogen              | A synthesized peptide                                                                                                                                                                                                             |
| Specificity            | PEX19 Antibody detects endogenous levels of total PEX19                                                                                                                                                                           |
| 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              | PEX19                                                                                                                                                                                                                             |
| Accession No.          | P40855                                                                                                                                                                                                                            |
| Alternate Names        | 33 kDa housekeeping protein; D1S2223E; HK33; Housekeeping gene 33kD; OK/SW-cl.22; PBD12A; Peroxin 19; Peroxin-19; Peroxisomal biogenesis factor 19; Peroxisomal farnesylated protein; PEX19; PEX19_HUMAN; PMP1; PMPI; PXF; PXMP1; |

## Antibody Specification

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| Description               | Necessary for early peroxisomal biogenesis. Acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Binds and stabilizes newly synthesized PMPs in the cytoplasm by interacting with their hydrophobic membrane-spanning domains, and targets them to the peroxisome membrane by binding to the integral membrane protein PEX3. Excludes CDKN2A from the nucleus and prevents its interaction with MDM2, which results in active degradation of TP53. |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protein MW                | 33 KD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                 |