

Immunotag™ PADI2 Antibody

| Antibody Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITA2669                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product Description    | Immunotag™ PADI2 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         | PADI2                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality              | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Application            | WB,IHC                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Recommended Dilution   | WB 1:500-1:2000, IHC 1:50-1:200                                                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactive Species       | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Host Species           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen              | A synthesized peptide derived from human PADI2.                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity            | PADI2 antibody detects endogenous levels of PADI2.                                                                                                                                                                                                                                                                                                                                                                                     |
| 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              | PADI2                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Accession No.          | Q9Y2J8                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternate Names        | KIAA0994; OTTHUMP00000044625; PAD 2; PAD H19; PAD-H19; PAD2; PADI 2; Padi2; PADI2 protein; PADI2_HUMAN; PDI 2; PDI2; Peptidylarginine deiminase type II; Peptidyl arginine deiminase II; Peptidyl arginine deiminase type II; Peptidylarginine deiminase II; Protein arginine deiminase; Protein arginine deiminase type 2; Protein arginine deiminase type II; Protein-arginine deiminase type II; Protein-arginine deiminase type-2; |
| Description            | Catalyzes the deimination of arginine residues of proteins.                                                                                                                                                                                                                                                                                                                                                                            |

## Antibody Specification

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|---------------------------|----------------------------------------------------------------------|
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                          |
| Protein MW                | 49 kDa; 70-75 kDa                                                    |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures. |