

## Rabbit PTP4A2 Polyclonal Antibody | anti-PTP4A2 antibody

PTP4A2 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA306807</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

PTP4A2; Polyclonal Antibody; PTP4A2 Antibody; HH13; OV-1; PRL2; HH7-2; PRL-2; PTP4A; HU-PP-1; PTPCAAX2; ptp-IV1a; ptp-IV1b; anti-PTP4A2 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                |
| Reactivity                                       | Human, Mouse, Rat                                                                                                     |
| Clonality                                        | Polyclonal                                                                                                            |
| Specificity                                      | The antibody detects endogenous levels of total PTP4A2 protein.                                                       |
| Purity/Purification                              | Antigen affinity purification.                                                                                        |
| Form/Format                                      | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.                                                       |
| Concentration                                    | 0.8 mg/ml (varies by lot)                                                                                             |
| Sequence Length                                  | 142                                                                                                                   |
| Applicable Applications for anti-PTP4A2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                         |
| Immunogen Type                                   | Recombinant Protein                                                                                                   |
| Immunogen Description                            | Fusion protein corresponding to residues near the N terminal of human protein tyrosine phosphatase type IVA, member 2 |
| Target Name                                      | PTP4A2                                                                                                                |
| Preparation and Storage                          | Store at -20 degree C                                                                                                 |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using at dilution 1/25.



#### Application Data

Gel: 10%SDS-PAGE Lysates (from left to right): HeLa, Jurkat and SKOV3 cell Amount of lysate: 50ug per lane Primary antibody: 1/300 dilution Secondary antibody dilution: 1/8000 Exposure time: 30 seconds

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PTP4A2 antibody | The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17. |
| Product Categories/Family for anti-PTP4A2 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 304361762                                                                              |
| NCBI GeneID                      | 8073                                                                                   |
| NCBI Accession #                 | NP_001182029.1                                                                         |
| NCBI GenBank Nucleotide #        | NM_001195100.1                                                                         |
| UniProt Accession #              | Q12974; O00649; Q15197; Q15259; Q15260; Q15261; A8K9I8; B4DM39; D3DPP0; E9PGJ6; R4GN50 |
| Molecular Weight                 | 16,367 Da                                                                              |
| NCBI Official Full Name          | protein tyrosine phosphatase type IVA 2 isoform 3                                      |
| NCBI Official Synonym Full Names | protein tyrosine phosphatase type IVA, member 2                                        |
| NCBI Official Symbol             | PTP4A2                                                                                 |
| NCBI Official Synonym Symbols    | HH13; OV-1; PRL2; HH7-2; PRL-2; PTP4A; HU-PP-1; PTPCAAX2; ptp-IV1a; ptp-IV1b           |
| NCBI Protein Information         | protein tyrosine phosphatase type IVA 2                                                |
| UniProt Protein Name             | Protein tyrosine phosphatase type IVA 2                                                |
| UniProt Gene Name                | PTP4A2                                                                                 |
| UniProt Synonym Gene Names       | PRL2; PTPCAAX2; PRL-2                                                                  |
| UniProt Entry Name               | TP4A2_HUMAN                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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