# Mouse anti-Human, Rat PGGT1B Monoclonal Antibody | anti-PGGT1B antibody

PGGT1B (Geranylgeranyl Transferase Type-1 Subunit beta, Geranylgeranyl Transferase Type I Subunit beta, GGTase-I-beta, Type I Protein Geranyl-Geranyltransferase Subunit beta) APC

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA24605** | **Mouse** | **Human, Rat** | **ELISA, Immunofluorescence, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

PGGT1B; Monoclonal Antibody; PGGT1B (Geranylgeranyl Transferase Type-1 Subunit beta; Geranylgeranyl Transferase Type I Subunit beta; GGTase-I-beta; Type I Protein Geranyl-Geranyltransferase Subunit beta) APC; anti-PGGT1B antibody

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Mouse |
| **Reactivity** | Human, Rat |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 5E4 |
| **Specificity** | Recognizes human PGGT1B. Species Crossreactivity: rat. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC). |
| **Sequence Length** | 377 |
| **Applicable Applications for anti-PGGT1B antibody** | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| **Application Notes** | IF: 10ug/ml<br>Applications are based on unconjugated antibody. |
| **Immunogen** | Partial recombinant corresponding to aa1-106 from human PGGT1B (NP_005014) with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | MVATEDERLAGSGEGERLDFLRDRHVRFFQRCLQVLPERYSSLETSRLTIAFFALSGLDMLDSLDVVNKDDIIEWIYSLQVLPTEDRSNLNRCGFRGSSYL |
| **Conjugate** | APC |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |

## IMAGES

**Application Data**
Detection limit for recombinant GST tagged PGGT1B is ~1ng/ml as a capture antibody.

**IF (Immunofluorescence)**
Immunofluorescence of monoclonal antibody to PGGT1B on HeLa cell. [antibody concentration 10ug/ml]

**IHC (Immunohistochemistry)**
Immunoperoxidase of monoclonal antibody to PGGT1B on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1.2ug/ml]

**WB (Western Blot)**
PGGT1B monoclonal antibody Western Blot analysis of PGGT1B expression in PC-12.

**WB (Western Blot)**
PGGT1B monoclonal antibody Western Blot analysis of PGGT1B expression in HeLa.

**WB (Western Blot)**
Western Blot detection against Immunogen (37.29kD).

## ADDITIONAL INFORMATION

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|---|---|
| **Product Categories/Family for anti-PGGT1B antibody** | Antibodies; Enzymes |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 167860116 |
| **NCBI Accession #** | NP_005014 |
| **NCBI GenBank Nucleotide #** | NM_005023 |
| **UniProt Accession #** | P53609 |
| **NCBI Official Full Name** | geranylgeranyl transferase type-1 subunit beta |
| **UniProt Protein Name** | Geranylgeranyl transferase type-1 subunit beta |
| **UniProt Gene Name** | **PGGT1B** |
| **UniProt Entry Name** | PGTB1_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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Online datasheet: https://stage.aaabiotech.com/monoclonal/pggt1b-antibody-clone-5e4-immunofluorescence-immunohistochemistry-western-blot-elisa/24605