

Rabbit anti-Mouse, Rat GP2 Polyclonal Antibody | anti-Gp2 antibody

Anti-GP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125488	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

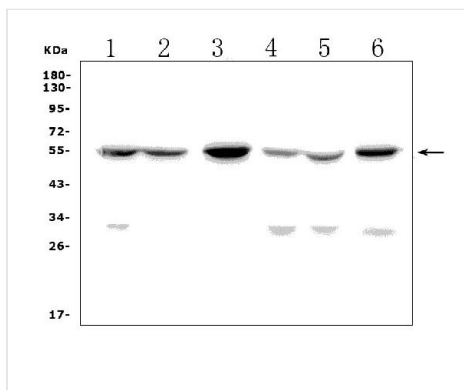
PRODUCT SYNONYMS

GP2; Polyclonal Antibody; Anti-GP2 Antibody; Pancreatic secretory granule membrane major glycoprotein GP2; Pancreatic zymogen granule membrane protein GP-2; Gp2; anti-Gp2 antibody

PRODUCT SPECIFICATIONS

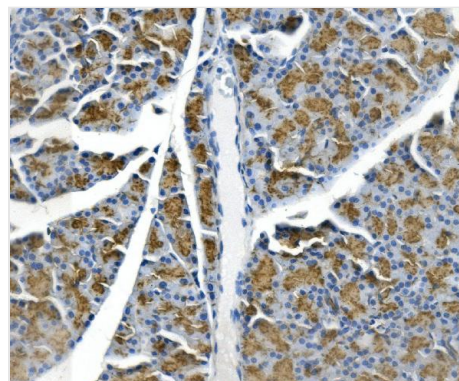
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Liquid; Each vial contains 500 ug/ml antibody with PBS, 0.02% NaN ₃ and 50% glycerol
Concentration	500 ug/ml (varies by lot)
Sequence Length	534
Applicable Applications for anti-Gp2 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived mouse GP2 recombinant protein (Position: S35-R497). Mouse GP2 shares 69.4% and 86.4% amino acid (aa) sequence identity with human and rat GP2, respectively
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year and at 4 degree C for one month. Avoid repeated freeze/thawing

IMAGES

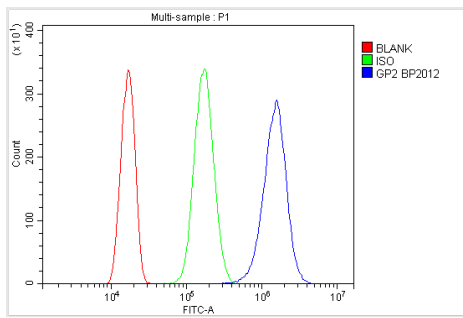


WB (Western Blot)

Figure 1. Western blot analysis of Gp2 using anti-Gp2 antibody.



IHC (Immunohistochemistry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-Gp2 antibody	Description: Rabbit IgG polyclonal antibody for GP2 detection. Tested with WB, IHC-P, FCM, Direct ELISA in Mouse; Rat. Background: Pancreatic secretory granule membrane major glycoprotein GP2 is a protein that in humans is encoded by the GP2 gene. It is mapped to 7 F2; 7 63.88 cM. This gene encodes an integral membrane protein that is secreted from intracellular zymogen granules and associates with the plasma membrane via glycosylphosphatidylinositol (GPI) linkage. The encoded protein binds pathogens such as enterobacteria, thereby playing an important role in the innate immune response. The C-terminus of this protein is related to the C-terminus of the protein encoded by the neighboring gene, uromodulin (UMOD). Alternative splicing results in multiple transcript variants.
References	1. Fukuoka, S.-I., Freedman, S. D., Scheele, G. A. A single gene encodes membrane-bound and free forms of GP-2, the major glycoprotein in pancreatic secretory (zymogen) granule membranes. <i>Proc. Nat. Acad. Sci.</i> 88: 2898-2902, 1991. 2. Fukuoka, S.-I., Freedman, S. D., Yu, H., Sukhatme, V. P., Scheele, G. A. GP-2/THP gene family encodes self-binding glycosylphosphatidylinositol-anchored proteins in apical secretory compartments of pancreas and kidney. <i>Proc. Nat. Acad. Sci.</i> 89: 1189-1193, 1992. Note: Erratum: <i>Proc. Nat. Acad. Sci.</i> 89: 3669 only, 1992. 3. Fukuoka, S.-I., Suzuki, M., Okabayashi, K., Takahashi, E. Assignment of pancreatic zymogen granule membrane protein GP2 (GP2) to human chromosome band 9q21.11 to q21.2 by in situ hybridization. <i>Cytogenet. Cell Genet.</i> 79: 231-232, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27229028
NCBI GeneID	67133
NCBI Accession #	NP_080265.2
NCBI GenBank Nucleotide #	NP_080265.2
UniProt Accession #	Q9D733
NCBI Official Full Name	pancreatic secretory granule membrane major glycoprotein GP2
NCBI Official Synonym Full Names	glycoprotein 2 (zymogen granule membrane)
NCBI Official Symbol	Gp2
NCBI Official Synonym Symbols	AV060639; 2310037I18Rik
NCBI Protein Information	pancreatic secretory granule membrane major glycoprotein GP2
UniProt Protein Name	Pancreatic secretory granule membrane major glycoprotein GP2
UniProt Gene Name	Gp2
UniProt Entry Name	GP2_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/gp2-antibody-direct-elisa-flow-cytometry-immunohistochemistry-western-blot-elisa/125488>