

Rabbit anti-Human GP2 Polyclonal Antibody | anti-GP2 antibody

GP2 Rabbit anti-Human Polyclonal (aa182-231) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162566	Rabbit	Human	Western Blot, Immunohistochemistry, Immunohistochemistry

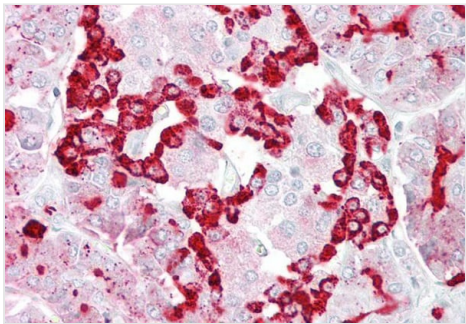
PRODUCT SYNONYMS

GP2; Polyclonal Antibody; GP2 Rabbit anti-Human Polyclonal (aa182-231) Antibody; PathPlus GP2 Antibody (aa182-231); gp2; ZAP75; anti-GP2 antibody

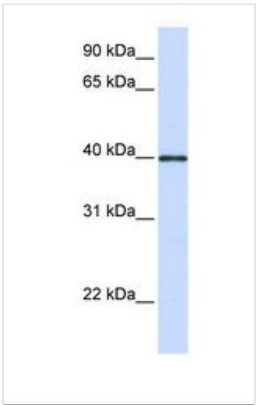
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human GP2
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.09% sodium azide, 2% sucrose
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-GP2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human GP2
Immunogen	Synthetic peptide located between aa182-231 of human GP2 (P55259, NP_001007242). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago (100%); Elephant, Horse (92%); Marmoset, Mouse, Opossum (91%); Rat, Bat (83%).
Conjugation	Unconjugated
Epitope	aa182-231
Preparation and Storage	Short term: Store at 2-8 degree C. Long term: Aliquot and store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
GP2 Antibody-Anti-GP2 antibody IHC of human pancreas. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other forms have not been tested.



WB (Western Blot)
GP2 Antibody-Fetal heart lysate. Antibody concentration: 1.0 ug/ml. Gel concentration: 12%. This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL INFORMATION

Related Product Information for anti-GP2 antibody	GP2 antibody is an unconjugated rabbit polyclonal antibody to GP2 (aa182-231) from human. It is reactive with human, rat, bovine and other species. Validated for IHC and WB. Cited in 1 publication. GP2 (pancreatic zymogen granule membrane glycoprotein 2, ZAP75) is a protein found in great abundance in the pancreatic secretory granule membrane that is involved in regulating the innate immune response, is capable of sensing microbiota and is thought to function to prevent binding of bacteria to host epithelial cells. It is released into the intestine after being cleaved from the secretory granule membrane in the pancreas. It is a receptor for type 1 fimbriae (T1F) protein expressing bacteria such as Salmonella and Escherichia coli. It is expressed on multipotent progenitor cells in the developing pancreas. It is thus considered to be a useful cell-surface biomarker for embryonic pancreatic progenitors in vivo, with utility in the purification of embryonic stem cell-derived progenitors or in the evaluation of pancreatic differentiation in vitro. In immunohistochemistry, GP2 has cytoplasmic positivity in the pancreas as well as secretory positivity in the intestine and other tissues.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804; Front. Microbiol. 2018, DOI:10.3389/fmicb.2018.01905; Nat Commun 8, 331 (2017), DOI:10.1038/s41467-017-00561-0; J Immunol. 2012 Sep 15;189(6):2774-83, PMID: 22891285;

NCBI AND UNIPROT INFORMATION

NCBI GI #	119220571
NCBI GeneID	2813
NCBI Accession #	NP_001493.2
NCBI GenBank Nucleotide #	NM_001502
UniProt Accession #	P55259; Q13338; Q9UIF1; A6NFM9; A6NJA8
Molecular Weight	43,039 Da
NCBI Official Full Name	pancreatic secretory granule membrane major glycoprotein GP2 isoform 2
NCBI Official Synonym Full Names	glycoprotein 2 (zymogen granule membrane)
NCBI Official Symbol	GP2
NCBI Official Synonym Symbols	ZAP75
NCBI Protein Information	pancreatic secretory granule membrane major glycoprotein GP2; pancreatic zymogen granule membrane protein GP-2; pancreatic zymogen granule membrane associated protein GP2
UniProt Protein Name	Pancreatic secretory granule membrane major glycoprotein GP2

UniProt Gene Name	GP2
UniProt Entry Name	GP2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gp2-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/162566>