

Rabbit GOLPH3 Polyclonal Antibody | anti-GOLPH3 antibody

GOLPH3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322925	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

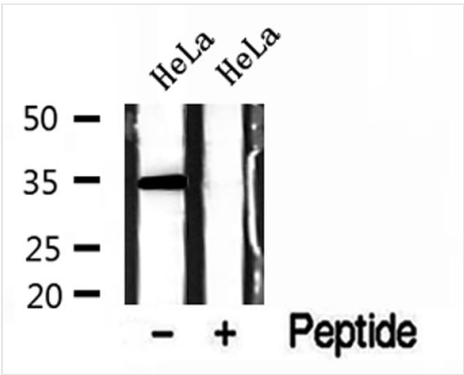
PRODUCT SYNONYMS

GOLPH3; Polyclonal Antibody; GOLPH3 Antibody; Coat protein; Coat protein GPP34; FLJ90675; Golgi associated protein; Golgi peripheral membrane protein 1; 34 kDa; Golgi phosphoprotein 3 (coat protein); Golgi phosphoprotein 3; Golgi protein; GOLP3_HUMAN; Golph3; GOPP1; GPP34; MIDAS; Mitochondrial DNA absence factor; anti-GOLPH3 antibody

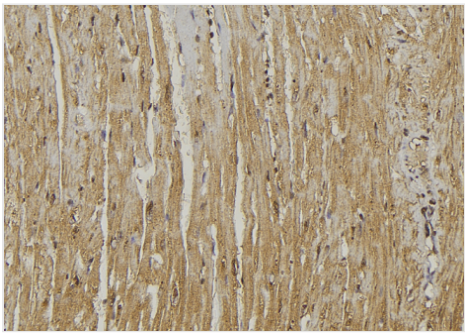
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GOLPH3 antibody detects endogenous levels of GOLPH3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	298
Applicable Applications for anti-GOLPH3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GOLPH3.
Subcellular Location	Cell Membrane. Endosome. Cytoplasm. Golgi Apparatus > Golgi Stack Membrane. Mitochondrion Intermembrane Space.
Tissue Specificity	Detected in muscle fibers of patients with mitochondrial diseases; not detected in normal muscle fibers.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (91%), Bovine (91%), Horse (100%), Sheep (91%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

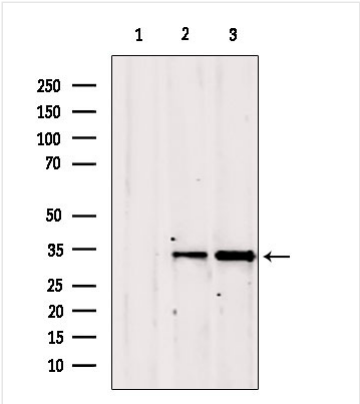
IMAGES



WB (Western Blot)
Western blot analysis of extracts of HeLa cells, using GOLPH3 antibody.



IHC (Immunohistochemistry)
AAA322925 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from various samples, using GOLPH3 antibody. Lane 1: rat brain treated with blocking peptide. Lane 2: Rat brain; Lane 3: Mouse brain;

ADDITIONAL INFORMATION

Related Product Information for anti-GOLPH3 antibody	Function: Phosphatidylinositol-4-phosphate-binding protein that links Golgi membranes to the cytoskeleton and may participate in the tensile force required for vesicle budding from the Golgi. Thereby, may play a role in Golgi membrane trafficking and could indirectly give its flattened shape to the Golgi apparatus. May also bind to the coatomer to regulate Golgi membrane trafficking. May play a role in anterograde transport from the Golgi to the plasma membrane and regulate secretion. Has also been involved in the control of the localization of Golgi enzymes through interaction with their cytoplasmic part. May play an indirect role in cell migration. Has also been involved in the modulation of mTOR signaling. May also be involved in the regulation of mitochondrial lipids biosynthesis. Subunit Structure: Homodimer. Interacts with the coatomer complex. Interacts with MYO18A; the interaction is direct and may link Golgi membranes to the actin cytoskeleton. Interacts with GCNT1; may control its retention in the Golgi. Interacts with VPS35. Post-translational Modifications: Phosphorylated. Similarity: Belongs to the GOLPH3/VPS74 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11545859
NCBI GeneID	64083
NCBI Accession #	NP_071413.1
NCBI GenBank Nucleotide #	NM_022130.3
UniProt Accession #	Q9H4A6; Q9UIW5

Molecular Weight	Observed: 34 kDa Predicted: 34 kDa
NCBI Official Full Name	Golgi phosphoprotein 3
NCBI Official Synonym Full Names	golgi phosphoprotein 3
NCBI Official Symbol	GOLPH3
NCBI Official Synonym Symbols	GOPP1; GPP34; MIDAS; Vps74
NCBI Protein Information	Golgi phosphoprotein 3
UniProt Protein Name	Golgi phosphoprotein 3
UniProt Gene Name	GOLPH3
UniProt Synonym Gene Names	GPP34; MIDAS

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/polyclonal/golph3-antibody-immunohistochemistry-western-blot-elisa/322925>