

Rabbit GOLPH3 Polyclonal Antibody | anti-GOLPH3 antibody

GOLPH3 Antibody

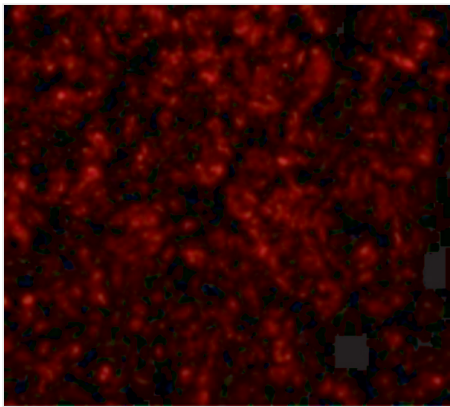
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40200	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

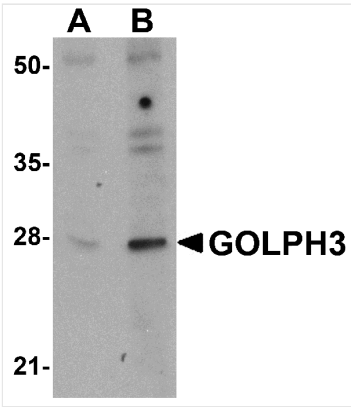
GOLPH3; Polyclonal Antibody; GOLPH3 Antibody; GOPP1; GPP34; MIDAS; Golgi phosphoprotein 3; Coat protein GPP34; golgi phosphoprotein 3 (coat-protein); anti-GOLPH3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	GOLPH3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	298
Applicable Applications for anti-GOLPH3 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	GOLPH3 antibody was raised against a 14 amino acid synthetic peptide from near the amino terminus of human GOLPH3.
Buffer	GOLPH3 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	GOLPH3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



IF (Immunofluorescence)
Immunofluorescence of GOLPH3 in Rat Lung cells with GOLPH3 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of GOLPH3 in rat lung tissue lysate with GOLPH3 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GOLPH3 antibody	GOLPH3 Antibody: GOLPH3 was initially identified as a peripheral membrane protein localized to the trans-Golgi network, but others reported it to be primarily a mitochondrial protein that regulated the mitochondrial mass through the regulation of the mitochondria-specific phospholipid cardiolipin. GOLPH3 has since been implicated in the target of rapamycin (TOR) signalling pathway. Its overexpression in transfected cells led to and increase in anchorage-independent growth and cell proliferation in vitro. Furthermore, GOLPH3-transfected cells enhanced S6 Kinase activity in response to growth factor stimulation by EGF. Simultaneously, AKT phosphorylation increased in these cells, while these events were abrogated in GOLPH3 siRNA treated cells compared to control cells, indicating the GOLPH3 can enhance signalling through TOR-associated complexes. These results suggest that GOLPH3 is a bona fide oncogene and may be a useful target for therapeutic strategies.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15082415
NCBI GeneID	64083
UniProt Accession #	Q9H4A6; Q9UIW5
Molecular Weight	33,811 Da
NCBI Official Full Name	Golgi phosphoprotein 3 (coat-protein)
NCBI Official Synonym Full Names	golgi phosphoprotein 3 (coat-protein)
NCBI Official Symbol	GOLPH3
NCBI Official Synonym Symbols	GOPP1; GPP34; MIDAS; Vps74
NCBI Protein Information	Golgi phosphoprotein 3; coat-protein; golgi protein; coat protein GPP34; golgi-associated protein; mitochondrial DNA absence factor; golgi peripheral membrane protein 1, 34 kDa
UniProt Protein Name	Golgi phosphoprotein 3
UniProt Gene Name	GOLPH3
UniProt Synonym Gene Names	GPP34; MIDAS
UniProt Entry Name	GOLP3_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.