

Datasheet for ABIN499904

anti-GOLPH3 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mg
Target:	GOLPH3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GOLPH3 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	GOLPH3 antibody was raised against a 14 amino acid peptide from near the amino terminus of human GOLPH3.
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	GOLPH3
Alternative Name:	Golgi Phosphoprotein 3 / GOLPH3 (GOLPH3 Products)
Background:	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

Target Details

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. Synonyms: Coat protein GPP34, GPP34, MIDAS, Mitochondrial DNA absence factor

Gene ID: 64083

UniProt: [Q9H4A6](#)

Application Details

Application Notes: ELISA. Western Blot: 0.5 - 1 µg/mL.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % sodium azide.

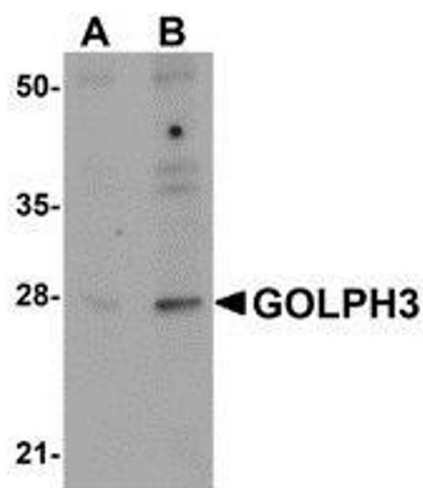
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Western Blotting

Image 1. Western blot analysis of GOLPH3 in rat lung tissue lysate with AP30372PU-N GOLPH3 antibody at (A) 0.5 and (B) 1 µg/ml.