

Datasheet for ABIN6991206
anti-GOLPH3 antibody (N-Term)



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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), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	GOLPH3 antibody was raised against a 14 amino acid synthetic peptide from near the amino terminus of human GOLPH3. The immunogen is located within the first 50 amino acids of GOLPH3.
Isotype:	IgG
Purification:	GOLPH3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	GOLPH3
Alternative Name:	GOLPH3 (GOLPH3 Products)
Background:	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

Target Details

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.

Gene ID: 64083

UniProt: [Q9H4A6](#)

Application Details

Application Notes: GOLPH3 antibody can be used for detection of GOLPH3 by Western blot at 0.5 - 1 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: GOLPH3 Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Storage Comment: GOLPH3 antibody can be stored at 4°C for three months and -20°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.