

For Research Use Only

CoraLite®594-conjugated GOLPH3 Monoclonal antibody



Catalog Number:CL594-67777

Basic Information

Catalog Number: CL594-67777	GenBank Accession Number: BC033725	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 64083	CloneNo.: 3H2A5
Source: Mouse	UNIPROT ID: Q9H4A6	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Full Name: golgi phosphoprotein 3 (coat-protein)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG5443	Calculated MW: 298 aa, 34 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : HeLa cells,
Species Specificity: Human, Mouse, Rat	

Background Information

GOLPH3 (also called GPP34, GMx33, MIDAS, or yeast Vps74p) is a 34-kDa Golgi-associated protein conserved from yeast to human. GOLPH3 binds to PtdIns(4)P-rich trans-Golgi membranes and MYO18A conveying a tensile force required for efficient tubule and vesicle formation (PMID: 19837035). GOLPH3 has been recently demonstrated as a novel oncoprotein amplified in various types of human malignancies, including melanoma, breast, non-small cell lung cancer, gliomas and connective tissue tumors (PMID:19553991; 23006319; 21499727; 22745132). Enhanced activation of mTOR signalling represents a molecular basis for the oncogenic activity of GOLPH3 (PMID: 19553991).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

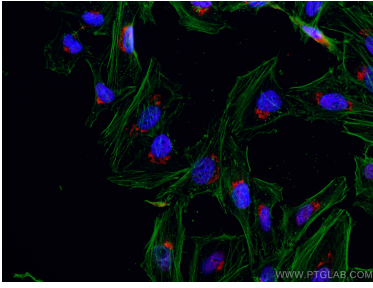
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®594 GOLPH3 antibody (CL594-67777, Clone: 3H2A5) at dilution of 1:100.