

# CoraLite®594-conjugated GOLPH3 Monoclonal antibody

Catalog Number: **CL594-67777**

## Basic Information

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

## Applications

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

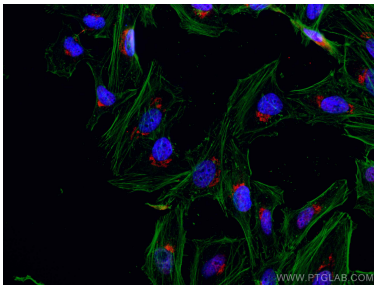
## Background Information

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

## 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.