


Product datasheet

Anti-GOLGA5/Golgin-84 antibody ab155806

4 Images

Overview

Product name	Anti-GOLGA5/Golgin-84 antibody
Description	Rabbit polyclonal to GOLGA5/Golgin-84
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Cow 
Immunogen	Recombinant fragment corresponding to Human GOLGA5/Golgin-84 aa 237-566 (internal sequence). Database link: Q8TBA6
Positive control	A549 and Mouse brain whole cell lysates, methanol-fixed HeLa cells, paraffin-embedded Human smooth muscle tissue
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab155806 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 83 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Use 10mM Citrate buffer or alternatively Tris-EDTA buffer (pH 8.0) may be used
ICC/IF		1/100 - 1/1000.

Target

Function

Involved in maintaining Golgi structure. Stimulates the formation of Golgi stacks and ribbons.
Involved in intra-Golgi retrograde transport.

Tissue specificity

Ubiquitous. Highly expressed in seminiferous tubules and Leydig cells in testis, and detected at much lower levels in the other tissues tested. Expression is very low or not detectable in spermatozoa.

Involvement in disease

Defects in GOLGA5 are a cause of thyroid papillary carcinoma (TPC) [MIM:188550]. TPC is a common tumor of the thyroid that typically arises as an irregular, solid or cystic mass from otherwise normal thyroid tissue. Papillary carcinomas are malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells. Note=A chromosomal aberration involving GOLGA5 is found in thyroid papillary carcinomas. Translocation t(10;14)(q11;q32) with RET. The translocation generates the RET/GOLGA5 (PTC5) oncogene which was found in 2 cases of PACT in children exposed to radioactive fallout after Chernobyl.

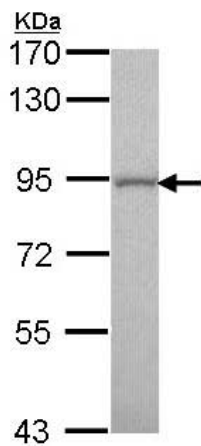
Post-translational modifications

Highly phosphorylated during mitosis. Phosphorylation is barely detectable during interphase.

Cellular localization

Golgi apparatus membrane. Found throughout the Golgi, both on cisternae and, at higher abundance, on the tubulo-vesicular structures of the cis-Golgi network.

Images

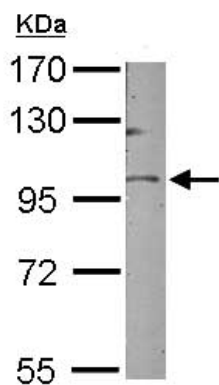


Western blot - Anti-GOLGA5/Golgin-84 antibody
(ab155806)

Anti-GOLGA5/Golgin-84 antibody (ab155806) at 1/1000 dilution +
A549 whole cell lysate at 30 μ g

Predicted band size: 83 kDa

7.5% SDS PAGE

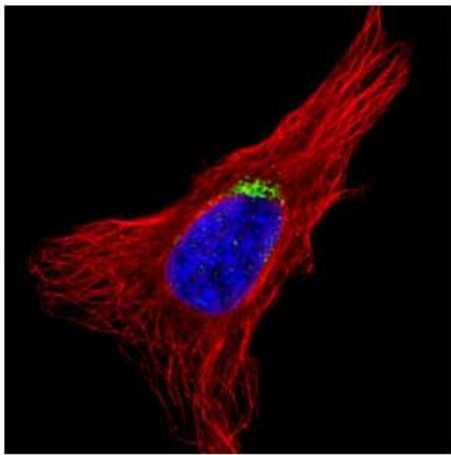


Western blot - Anti-GOLGA5/Golgin-84 antibody
(ab155806)

Anti-GOLGA5/Golgin-84 antibody (ab155806) at 1/1000 dilution +
Mouse brain whole cell lysate at 50 μ g

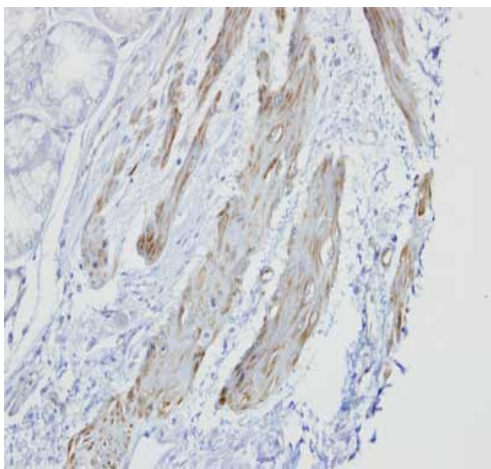
Predicted band size: 83 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-GOLGA5/Golgin-84 antibody (ab155806)

Confocal immunofluorescence analysis of methanol-fixed HeLa cells labeling GOLGA5/Golgin-84 with ab155806 at 1/500 dilution (green). Alpha-tubulin filaments were labeled with an anti-alpha-tubulin antibody at 1/2500 (red).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GOLGA5/Golgin-84 antibody (ab155806)

Immunohistochemical analysis of paraffin-embedded Human smooth muscle tissue, labeling GOLGA5/Golgin-84 with ab155806 at 1/100 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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