

For Research Use Only

SEC22B Polyclonal antibody

Catalog Number: 14776-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

14776-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6077

GenBank Accession Number:

BC001364

GeneID (NCBI):

9554

UNIPROT ID:

O75396

Full Name:

SEC22 vesicle trafficking protein homolog B (S. cerevisiae)

Calculated MW:

25 kDa

Observed MW:

24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, MCF-7 cells, rat liver tissue, mouse brain tissue, rat brain tissue

IHC : human breast cancer tissue, human liver tissue

IF : MCF-7 cells,

Background Information

Soluble N-ethylmaleimide-sensitive factor (NSF) attachment protein receptor (SNARE) proteins are critical components of the membrane fusion machinery (PMID: 20163564). SEC22B is a SNARE involved in endoplasmic reticulum (ER)/Golgi membrane trafficking. SEC22B localizes to the ER-Golgi intermediate compartment (ERGIC) and has been identified as a regulator of antigen crosspresentation (PMID: 22153078).

Notable Publications

Author	Pubmed ID	Journal	Application
Di Li	33186631	Brain Res Bull	WB,IF
Jin-Mi Heo	31723608	Sci Adv	
Haiying Li	35654605	J Neurosci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

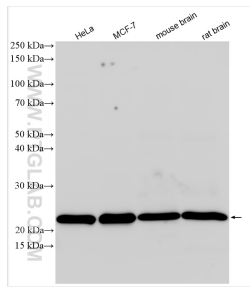
T: 4006900926

E: Proteintech-CN@ptglab.com

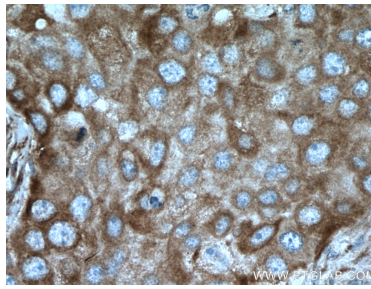
W: ptgcn.com

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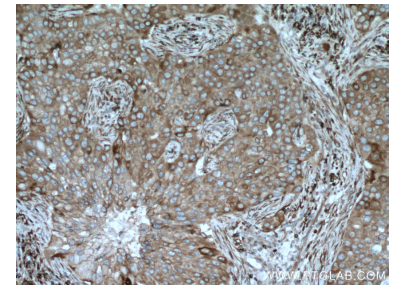
Selected Validation Data



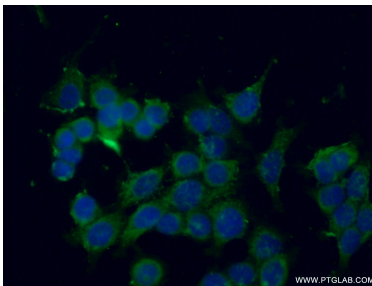
Various lysates were subjected to SDS PAGE followed by western blot with 14776-1-AP (SEC22B antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14776-1-AP (SEC22B antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14776-1-AP (SEC22B antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 14776-1-AP (SEC22B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).