

For Research Use Only

Syntaxin 2 Polyclonal antibody

Catalog Number: 55033-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

55033-1-AP

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001980

GeneID (NCBI):

2054

UNIPROT ID:

P32856

Full Name:

syntaxin 2

Calculated MW:

33 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse

Cited Species:

human, rat

Positive Controls:

WB : A431 cells, HeLa cells

IF : HeLa cells,

Background Information

Syntaxin 2 (STX2), also named as EPIM, STX2A, STX2B and STX2C, belongs to the syntaxin family. It is essential for epithelial morphogenesis. STX2 is a member of the SNARE membrane fusion machinery which localized to the midbody during cytokinesis in rat and canine kidney cell lines. Inhibition of STX2 and Vamp8 function by overexpression of nonmembrane-anchored mutants caused failure of cytokinesis leading to the formation of binucleated cells. Time-lapse microscopy showed that only midbody abscission and not further upstream events, such as furrowing, were affected. The antibody is specific to STX2.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong-Xia Wang	33075373	Life Sci	WB, IHC
Yongxia Wang	29855462	Cell Death Dis	WB, IHC, IF
Sameena Parveen	35762511	J Cell Sci	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 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:

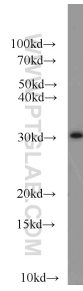
T: 4006900926

E: Proteintech-CN@ptglab.com

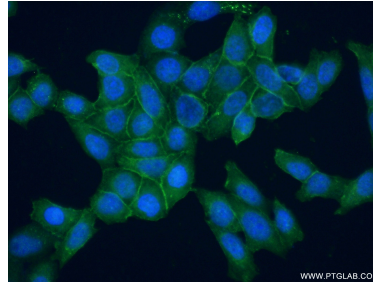
W: ptgcn.com

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Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 55033-1-AP (Syntaxin 2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 55033-1-AP (Syntaxin 2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).