

# Syntaxin 2 Polyclonal antibody

Catalog Number: 55033-1-AP

Featured Product

5 Publications

## Basic Information

**Catalog Number:**

55033-1-AP

**Size:**

1000 µg/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/ICC 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat

**Positive Controls:**

WB : A431 cells, HeLa cells

IF/ICC : 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 NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

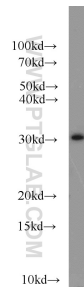
For technical support and original validation data for this product please contact:

T: 4006900926

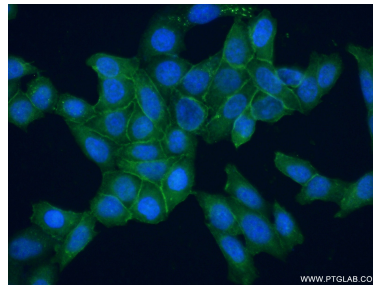
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## Selected Validation Data



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).