

STX7 Rabbit pAb

CatalogNo: YT7678

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC

MW

- 29kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human STX7 AA range: 42-92

Specificity

This antibody detects endogenous levels of STX7 at Human/Mouse/Rat

Target Information

Gene name

STX7

Protein Name STX7

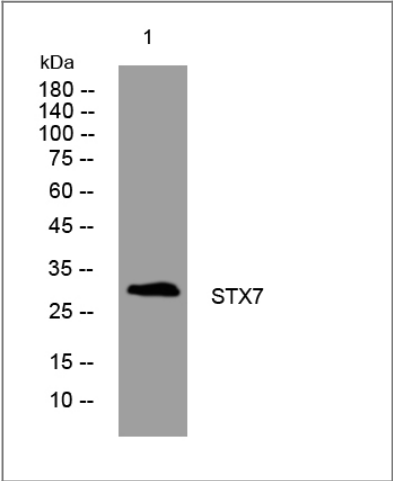
Organism	Gene ID	UniProt ID
Human	8417 ;	O15400 ;
Mouse		O70439 ;
Rat	100910446 ;	O70257 ;

Cellular Localization Early endosome membrane ; Single-pass type IV membrane protein .

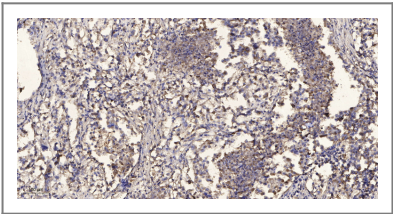
Tissue specificity Highest expression is found in placenta followed by heart, skeletal muscle, kidney and brain. Low expression is found in pancreas, lung and liver.

Function:May be involved in protein trafficking from the plasma membrane to the early endosome (EE) as well as in homotypic fusion of endocytic organelles. Mediates the endocytic trafficking from early endosomes to late endosomes and lysosomes.,similarity:Belongs to the syntaxin family.,similarity:Contains 1 t-SNARE coiled-coil homology domain.,subunit:Forms a SNARE complex with VTI1B, STX8 and VAMP8 which functions in the homotypic fusion of late endosomes. Interacts with VPS33A. Found in a complex with VAMP8 and VTI1B in the liver. Part of the SNARE core complex containing VAMP8, STX8 and VTI1B (By similarity). Interacts with VPS11, VPS16 and VPS18.,tissue specificity:Highest expression is found in placenta followed by heart, skeletal muscle, kidney and brain. Low expression is found in pancreas, lung and liver.,

Validation Data



Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

| Contact information

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