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Datasheet for ABIN1881855 anti-Syntaxin 7 antibody (N-Term)

3 Images

1 Publication



Overview

Quantity:	400 µL
Target:	Syntaxin 7 (STX7)
Binding Specificity:	AA 47-73, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Syntaxin 7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This STX7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 47-73 amino acids from the N-terminal region of human STX7.
Clone:	RB21640
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

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Target:

Syntaxin 7 (STX7)

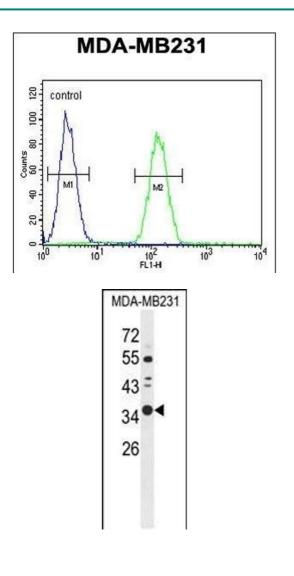
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Target Details	
Alternative Name:	STX7 (STX7 Products)
Background:	Syntaxin 7 is involved in the ordered fusion of endosomes and lysosomes with the phagosome, where phagocytic cells kill and degrade internalized foreign particles. Syntaxin 7 is found in late endosomes and lysosomes, whereas Syntaxin 12 is localized to the recycling endosome compartment, both are recruited to the phagosome. However, STX12 is acquired earlier before rapidly recycling off the phagosome, whereas STX7 is recruited later and continues to accumulate throughout the phagosome maturation process.
Molecular Weight:	29816
NCBI Accession:	NP_003560
UniProt:	015400
Pathways:	Synaptic Vesicle Exocytosis
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months
Publications	
Product cited in:	Wendeler, Pabst, Wang, Strouse, Wang, Hunter: "Process-scale purification and analytical
	characterization of highly gamma-carboxylated recombinant human prothrombin." in: Journal
	of chromatography. A, Vol. 1325, pp. 171-8, (2014) (PubMed).
	Yang, Ko, Yang, Kim, Seo, Park, Choi, Seong, Kweon: "Interleukin-1 promotes coagulation, which

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Lim, Joy, Hill, San Brian Chia: "Novel agmatine and agmatine-like peptidomimetic inhibitors of the West Nile virus NS2B/NS3 serine protease." in: **European journal of medicinal chemistry**, Vol. 46, Issue 7, pp. 3130-4, (2011) (PubMed).

Images



Flow Cytometry

Image 1. STX7 Antibody (N-term) (ABIN1881855 and ABIN2840425) flow cytometric analysis of MDA-M cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of STX7 Antibody (N-term) (ABIN1881855 and ABIN2840425) in MDA-M cell line lysates (35 µg/lane).STX7 (arrow) was detected using the purified Pab.

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Immunohistochemistry (Paraffin-embedded Sections)

Image 3. STX7 Antibody (N-term) (ABIN1881855 and ABIN2840425) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the STX7 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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