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STX3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2818c

Product Information

Application	IHC-P, WB, E
Primary Accession	Q13277
Other Accession	Q08849, Q64704
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17355
Calculated MW	33155
Antigen Region	178-205

Additional Information

Gene ID	6809
Other Names	Syntaxin-3, STX3, STX3A
Target/Specificity	This STX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 178-205 amino acids from the Central region of human STX3.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	STX3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STX3
Synonyms	STX3A
Function	Potentially involved in docking of synaptic vesicles at presynaptic active

zones. Apical receptor involved in membrane fusion of apical vesicles.

Cellular Location

[Isoform A]: Apical cell membrane; Single-pass type IV membrane protein. Note=Localized to the inner and outer plexiform layers, the cell body and the inner segments of photoreceptors {ECO:0000250|UniProtKB:Q64704}

Tissue Location

[Isoform A]: Expressed in small intestine, kidney, pancreas, placenta as well as in retina. Weaker expression in lung, liver and heart. Not expressed in brain and skeletal muscle [Isoform 3]: Ubiquitously expressed.

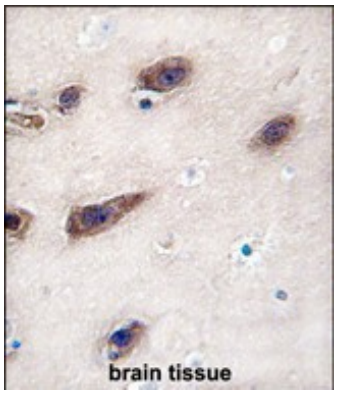
Background

STX3 is otentially involved in docking of synaptic vesicles at presynaptic active zones.

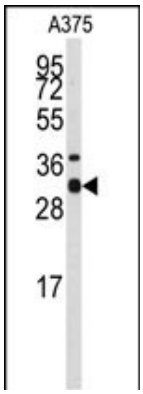
References

Darios,F., Nature 440 (7085), 813-817 (2006) Low,S.H., Mol. Biol. Cell 17 (2), 977-989 (2006) Morgans,C.W., J. Neurosci. 16 (21), 6713-6721 (1996)

Images

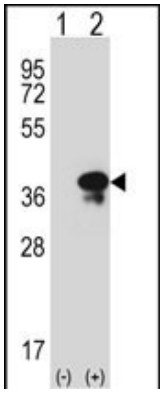


Formalin-fixed and paraffin-embedded human brain tissue reacted with STX3 antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western blot analysis of anti-STX3 Antibody (Center) (Cat.#AP2818c) in A375 cell line lysates (35ug/lane). STX3(arrow) was detected using the purified Pab.

Western blot analysis of STX3 (arrow) using rabbit polyclonal STX3 Antibody (Center) (Cat.#AP2818c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the STX3 gene.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.