

MUNC18 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 96 and 374 of Human STXBP1
Form	Liquid
Concentration	0.8 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol
Contains	0.01% thimerosal
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2547657

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:100-1:1,000	-
Immunofluorescence (IF)	1:100-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000	-
Western Blot (WB)	1:500-1:20,000	-

Product Specific Information

Recommended positive controls: A431, mouse brain, rat brain.

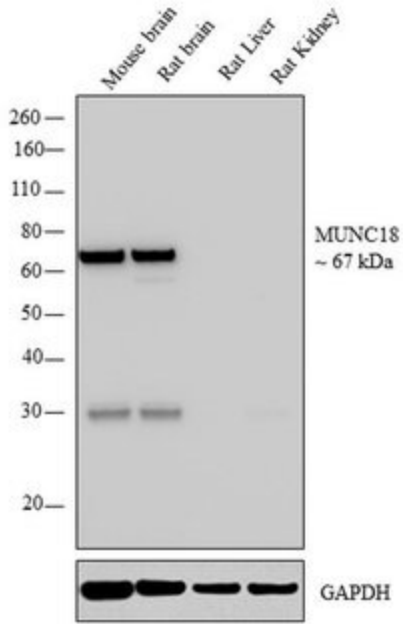
Predicted reactivity: Mouse (100%), Rat (100%), Xenopus laevis (91%), Chicken (97%), Rhesus Monkey (100%), Bovine (99%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Advanced Verification Data

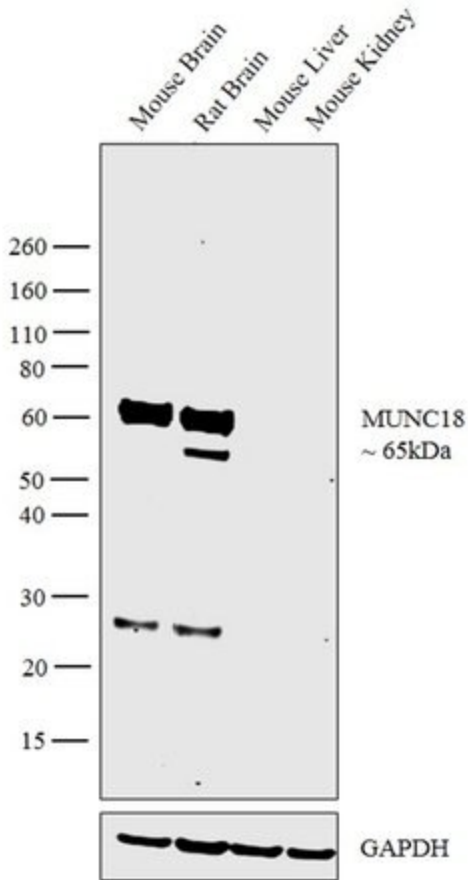
MUNC18 Antibody (PA5-30183)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue lysates owing to their inherent genetic constitution. Relative expression of MUNC18 was observed in Mouse Brain and Rat Brain lysates in comparison to Rat Liver and Rat Kidney using MUNC18 Polyclonal Antibody (Product # PA5-30183) in western blot. Relative expression validation info.



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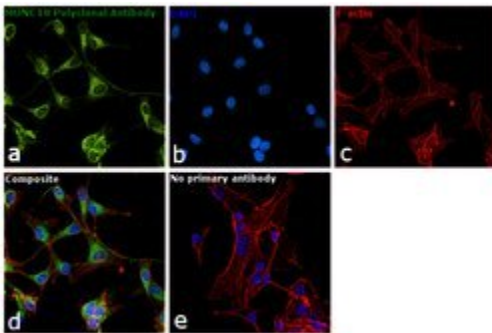
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue lysates owing to their inherent genetic constitution. Relative expression of MUNC18 was observed in Mouse Brain and Rat Brain lysates in comparison to Mouse Liver and Mouse Kidney using product (Product # PA5-30183) in western blot. An additional band was observed at ~28kDa. Relative expression validation info.



Product Images For MUNC18 Polyclonal Antibody

MUNC18 Antibody (PA5-30183) in IF

Immunofluorescence analysis of MUNC18 was performed using 70% confluent log phase U-87 MG cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with MUNC18 Polyclonal Antibody (Product # PA5-30183) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing Cytoplasmic and Nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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