

RAB9 Monoclonal Antibody (Mab9)

Product Details	
Size	100 µL
Species Reactivity	Rat, Bovine, Dog, Hamster, Human, Non-human primate
Published Species	Hamster, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	Mab9
Conjugate	Unconjugated
Immunogen	Recombinant canine rab 9a.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2175599

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	5 Publications
Immunohistochemistry (IHC)	1:20	5 Publications
Immunocytochemistry (ICC/IF)	1:200-1:500	6 Publications
Flow Cytometry (Flow)	-	1 Publication
Immunoprecipitation (IP)	Assay-dependent	-
Immunomicroscopy (IM)	Assay-dependent	-

Product Specific Information

MA3-067 recognizes prenylated and non-prenylated rab 9 from canine, human, monkey, rat, hamster and bovine tissues. This antibody does not cross-react with other rab family members.

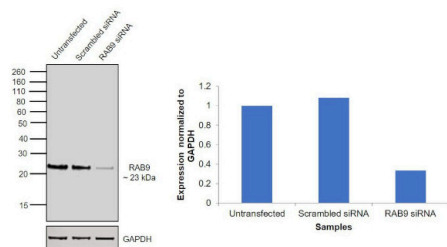
MA3-067 has been successfully used in Western blot, immunofluorescence, EM immunocytochemistry and immunoprecipitation procedures. By Western blot, this antibody detects an ~26 kDa protein representing rab 9 from K562 cell extract.

The MA3-067 antigen is recombinant canine rab 9a.

Product Images For RAB9 Monoclonal Antibody (Mab9)

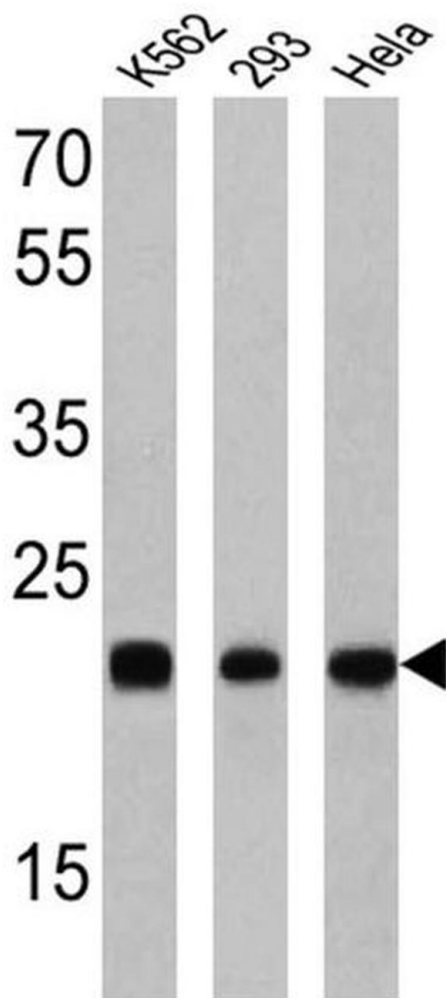
RAB9 Antibody (MA3-067)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HEK-293 cells were transfected with RAB9A siRNA and reduction of signal was observed in Western Blot using RAB9 Mouse Monoclonal Antibody (Product # MA3-067). {KD}



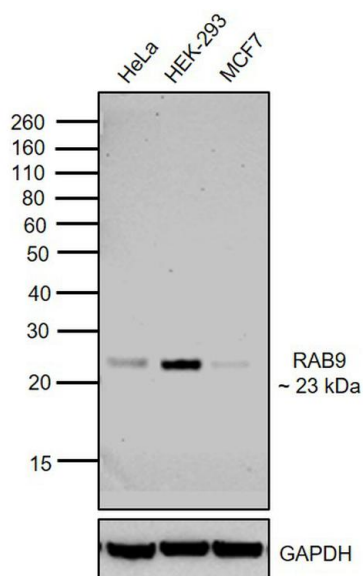
RAB9 Antibody (MA3-067) in WB

Western blot analysis of RAB9 was performed by loading 25 µg of K562 (lane 1), 293 (lane 2) and Hela (lane 3) onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with a RAB9 monoclonal antibody (Product # MA3-067) at a dilution of 1:2000 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Images were taken at an exposure time of 4 min (lane 1) and 2 min (lanes 2 and 3). Results show a band at ~23 kDa.



RAB9 Antibody (MA3-067) in WB

Western blot was performed using Anti-RAB9 Mouse Monoclonal Antibody (Product # MA3-067) and a 23 kDa band corresponding to RAB9 was observed in cell lines tested. Membrane enriched extracts (30 µg lysate) of HeLa (Lane 1), HEK-293 (Lane 2) and MCF7 (Lane 3) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0341BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:2000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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Western Blot (5)

Journal of virology

Herpes Simplex Virus Entry by a Nonconventional Endocytic Pathway.

"MA3-067 was used in Western Blot to characterize Herpes simplex virus 1 entry by endocytosis."

Authors: Tebaldi G,Pritchard SM,Nicola AV

Year
2020

Species
Hamster

The Journal of cell biology

BAIAP3, a C2 domain-containing Munc13 protein, controls the fate of dense-core vesicles in neuroendocrine cells.

"MA3-067 was used in Western Blotting to identify C2 domain-containing proteins involved in the regulation of Ca(2+)-dependent dense-core vesicle exocytosis in neuroendocrine cells."

Authors: Zhang X,Jiang S,Mitok KA,Li L,Attie AD,Martin TFJ

Year
2017

Species
Human

Dilution
1:2,000

[View more WB references on thermofisher.cn](#)

Immunohistochemistry (5)

The Journal of cell biology

Characterization of LAMP1-labeled nondegradative lysosomal and endocytic compartments in neurons.

"MA3-067 was used in Immunohistochemistry to characterise LAMP1 distribution in autophagic and endolysosomal organelles in neurons."

Authors: Cheng XT,Xie YX,Zhou B,Huang N,Farfel-Becker T,Sheng ZH

Year
2018

Species
Mouse

Journal of neurochemistry

Vesicular acetylcholine transporter (VAChT) over-expression induces major modifications of striatal cholinergic interneuron morphology and function.

"MA3-067 was used in Immunohistochemistry to demonstrate that ChAT-ChR2 mice present major alterations of CIN neuronal morphology and increased behavioral sensitization to cocaine, supporting the notion that the increased levels of VAChT observed in these mice make them fundamentally different from wild-type mice."

Authors: Janickova H,Prado VF,Prado MAM,El Mestikawy S,Bernard V

Year
2017

Species
Mouse

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More applications with references on thermofisher.cn

ICC/IF (6)

Flow (1)

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