

Nhe-1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human Nhe-1
Form	Liquid
Concentration	0.1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2644661

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	1:500-1:1,000	-
Immunocytochemistry (ICC/IF)	0.25-2 µg/mL	-

Product Specific Information

Immunogen sequence: SPESVDLVNE ELKGKVLGLS RDKAKVAEED EDDDGIMMR SKETSSPGTD DVFTPAPSDS PSSQRIQRCL SDPGPHPEPG EGEPFFPKG

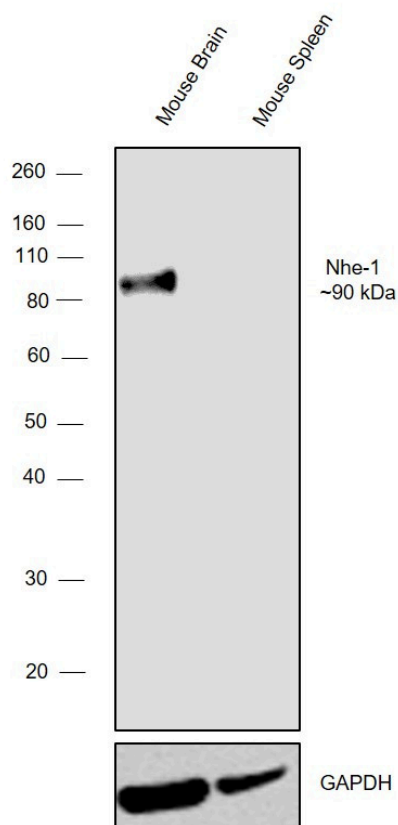
Highest antigen sequence identity to the following orthologs: Mouse - 83%, Rat - 83%.

HIER pH 6 was used for IHC antigen retrieval. Cells used for ICC/IF were permeabilized and fixed with PFA/Triton™ X-100.

Product Images For Nhe-1 Polyclonal Antibody

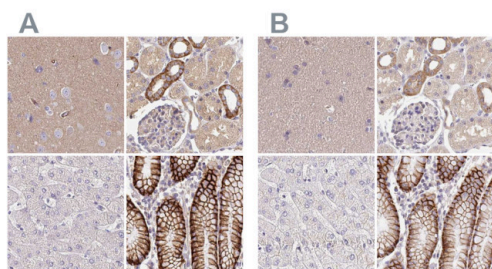
Nhe-1 Antibody (PA5-62703)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Relative expression of Nhe-1 was observed in mouse brain in comparison to mouse spleen using Anti-Nhe-1 Polyclonal Antibody (Product # PA5-62703) in Western Blot. {RE}



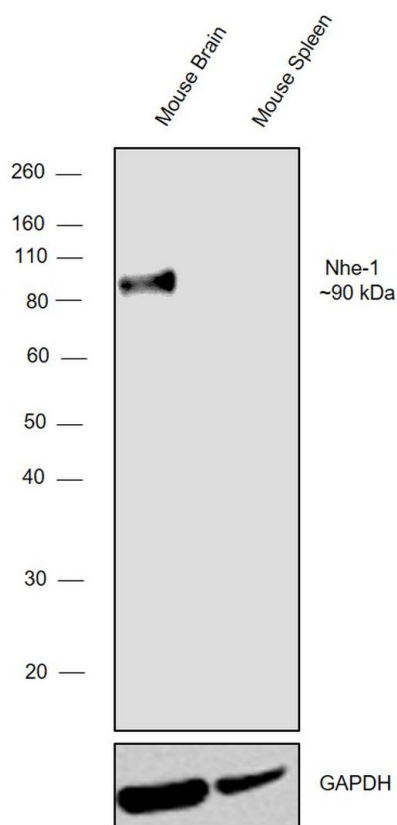
Nhe-1 Antibody (PA5-62703) in IHC

Immunohistochemical staining of Nhe-1 in human cerebral cortex, kidney, liver and stomach using Nhe-1 Polyclonal Antibody (Product # PA5-62703) (A) shows similar protein distribution across tissues to an independent Nhe-1 Polyclonal Antibody (B).



Nhe-1 Antibody (PA5-62703) in WB

Western blot was performed using Anti-Nhe-1 Polyclonal Antibody (Product # PA5-62703) and a 90kDa band corresponding to Nhe-1 was observed across the panel tested except in mouse spleen which is reported to be negative. Tissue extracts (30 µg lysate) of Mouse Brain (Lane 1) and Mouse Spleen (Lane 2) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). 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 (1:500 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 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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