

Product Datasheet

Aldolase C Antibody (4A9) - BSA Free NBP2-25145

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-25145

Aldolase C Antibody (4A9) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4A9
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	40 kDa

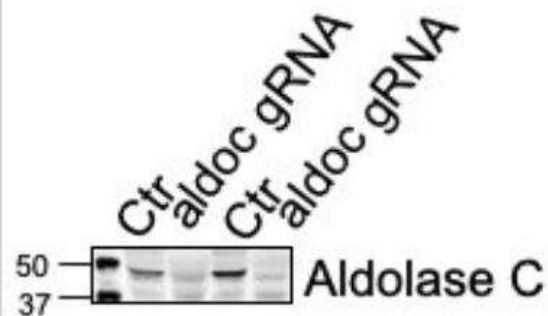
Product Description	
Description	Novus Biologicals Mouse Aldolase C Antibody (4A9) - BSA Free (NBP2-25145) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	230
Gene Symbol	ALDOC
Species	Human, Mouse, Rat, Porcine, Bovine
Marker	pan-Astrocyte Marker
Immunogen	The N-terminal 20 amino acids of human Aldolase C (MPHSYPALSAEQKKELSDIA). [UniProt# P09972]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000
Application Notes	This Aldolase C (1A1) antibody is useful for Immunocytochemistry/Immunofluorescence and Western Blot, where a band can be seen at ~40 kDa.

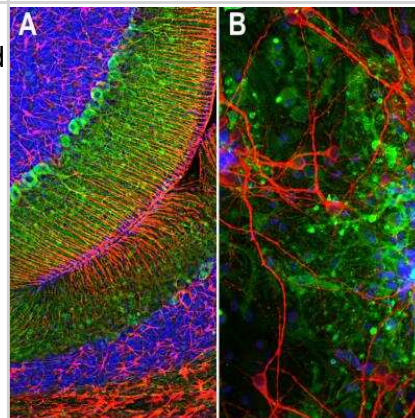


Images

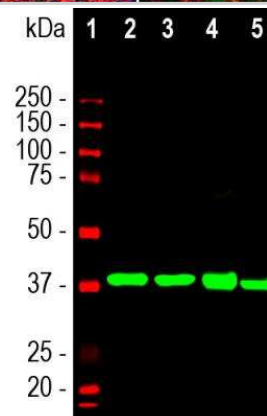
Western Blot: Aldolase C Antibody (4A9) [NBP2-25145] - Human breast cancer MCF7 cells transfected with Aldolase C guide RNA. Western blot image submitted by a verified customer review.



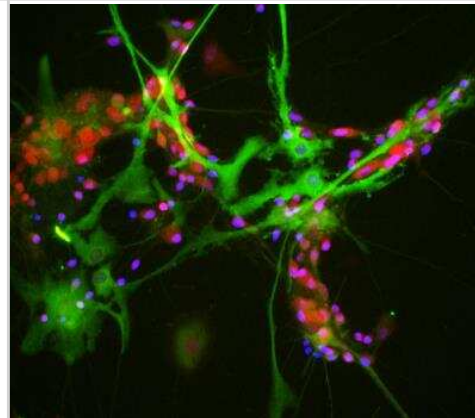
Immunocytochemistry/Immunofluorescence: Aldolase C Antibody (4A9) [NBP2-25145] - A. Immunofluorescence of rat cerebellum section stained with mouse mAb to aldolase C, NBP2-25145, dilution 1:1000, in green, and costained with rabbit pAb to GFAP, dilution 1:5000 in red. In both A and B blue is Hoechst staining of nuclear DNA. Aldolase C antibody selectively labels the perikarya and dendrites of Purkinje cells, while GFAP antibody stains processes of Bergman glia and astrocytic cells. B. Immunofluorescence of E20 rat cortical culture stained with NBP2-25145, dilution 1:1,000 in green, and costained with chicken pAb to MAP2, dilution 1:10,000 in red. The aldolase C antibody labels cytosolic protein expressed in glial cells, while MAP2 antibody stains dendrites and perikarya of mature neurons.



Western Blot: Aldolase C Antibody (4A9) [NBP2-25145] - Analysis of tissue and lysates using mouse mAb to aldolase C, NBP2-25145, dilution 1:2000 in green: [1] protein standard (in red), [2] rat brain, [3] mouse brain, [4] cow cerebellum, and [5] pig hippocampus. The single band at about 40 kDa corresponds to the aldolase C protein.



Immunocytochemistry/Immunofluorescence: Aldolase C Antibody (4A9) [NBP2-25145] - View of mixed neuron/glia cultures stained with NBP2-25145 (green) and the rabbit antibody to RBFOX3/NeuN (NBP1-92716, red). NBP2-25145 reveals strong cytoplasmic staining in astrocytes, while the rabbit RBFOX3/NeuN antibody shows nuclear and distal cytoplasmic staining in neuron cells and complete absence of astrocytes. Blue is a DNA stain.



Publications

Klomp A, Pace M, Mehr J et al. Deletion of the Voltage-Gated Calcium Channel Gene, Ca_v1.3, Reduces Purkinje Cell Dendritic Complexity Without Altering Cerebellar-Mediated Eyeblink Conditioning. *Cerebellum* (London, England) 2025-10-11 [PMID: 41075059]



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Products Related to NBP2-25145

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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