

Anti-Aldolase C Antibody

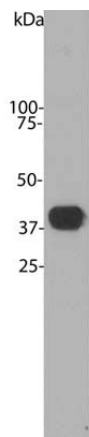


Product Details

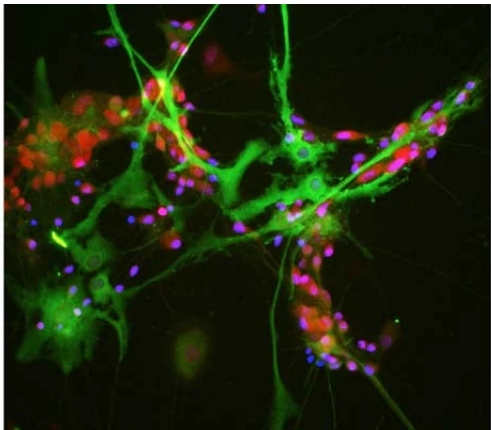
Available Variants	100 µg (SKU:M-1693-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	4A9
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, WB
Dilution Ranges	WB: 1:1000-1:2000 ICC: 1:500-1:1000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	N-terminal 20 amino acids of aldolase C protein, MPHSYPALSAEQKKELSDIA
Specificity	The antibody reacts with a 40 kDa band by Western blot on a crude bovine cerebellum homogenate. It has also been used successfully for immunocytochemistry.
Molecular Weight	40 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	<u>P09972</u>

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

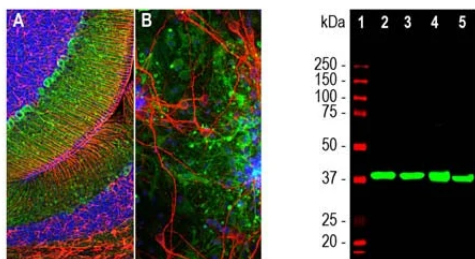
Product Images



Crude bovine cerebellum homogenate. The antibody recognizes the 40 kDa protein.



Mixed neuron/glia cultures stained with M-1693-100 (green) reveals strong cytoplasmic staining in astrocytes and our rabbit antibody to NeuN/FOX3 (R-3770-100) which shows nuclear and distal cytoplasmic staining in neuron cells and is completely absent in the astrocytes. The blue stain reveals DNA in the nuclei of these cells.



Left (A): Rat cerebellum section stained by **Immunohistochemistry** with mouse antibody to aldolase C (green) at 1:1,000 dilution. Section was co-stained with rabbit antibody to GFAP (R-1374-50, red, 1:5,000). Blue: Hoechst nuclear stain. The aldolase C antibody selectively labels the perikarya and dendrites of Purkinje cells, while the GFAP antibody stains processes of Bergman glia and astrocytes. **Left (B)** Analysis of aldolase C expression (green) in E20 rat cortical culture by **Immunocytochemistry**. Cells were stained with mouse antibody to aldolase C (green, 1:1,000), and co-stained with chicken antibody to MAP2 (C-1382-50, red, 1:10,000). Blue: Hoechst nuclear stain. The aldolase C antibody labels cytosolic protein expressed in glial cells, while MAP2 antibody stains dendrites and perikarya of mature neurons. **Right: Western blot** analysis of aldolase C expression (green) in tissue lysates using mouse antibody to aldolase C (1:2,000). [1] protein standard, [2] rat brain, [3] mouse brain, [4] cow cerebellum, and [5] pig hippocampus. The single strong band at about 40 kDa corresponds to the aldolase C protein.

Product Page URL: www.antibodiesinc.com/products/anti-aldolase-c-antibody-m-1693-100



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