

Adolase C Monoclonal Antibody

Adolase C, monoclonal antibody, mouse

CATALOG #	REACTIVITY	APPLICATIONS
AAA76573	Chicken, Equine, Human, Mouse, Porcine, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

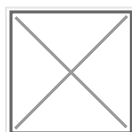
PRODUCT SYNONYMS

Adolase C; Monoclonal Antibody; monoclonal antibody; mouse; Aldolase C; anti-Adolase C antibody

PRODUCT SPECIFICATIONS

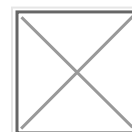
Reactivity	Chicken, Equine, Human, Mouse, Porcine, Rat
Clonality	Monoclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid
Applicable Applications for anti-Adolase C antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)

IMAGES



Application Data

Image: Blots of recombinant human Aldolase A, B and C as indicated showing binding to all three gene products. Lane labelled S show molecular weight standards, while lanes A, B and C contain recombinant full length His-tagged human Aldolase A, B and C respectively. The epitope is within the core of the three Aldolase molecules which are less conserved than the N and C-termini where our Aldolase C specific antibodies bind. The specificity of our other two Aldolase antibodies is shown in the indicated parts of the image. One antibody binds to the N-terminal peptide and one to the C-terminal peptide



Application Data

IHC Image: View of mixed neuron/glia cultures stained with (red) and our chicken antibody to GFAP antibody (green). antibody reveals strong cytoplasmic staining in astrocytes. Blue is a DNA stain. Aldolase stains the astrocytes cell body and processes, whereas GFAP labels the intermediate filament of the cytoskeleton in subset of astrocytes.

ADDITIONAL INFORMATION

Related Product Information for anti-Adolase C antibody	<p>Aldolase A is generally considered to be a muscle enzyme. Northern analysis of cultured cells suggests that it is present in both neurons and glia. Aldolase C shares 81% amino acid identity with aldolase A and 70% identity with aldolase B.</p> <p>Earlier studies using isozyme-specific antibodies report its location in gray matter astrocytes and cells of the pia mater. In situ hybridization of mouse central nervous system using isozyme-specific probes revealed that aldolase A and C are expressed in complementary cell types: aldolase A mRNA is found in neurons; aldolase C message is detected in astrocytes, some cells of the pia mater, and Purkinje cells. Aldolase C can in some situations be used as an astrocyte marker. However Purkinje cells of the cerebellum contain high levels of the enzyme, so the enzyme is not totally astrocyte specific.</p>
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/adolase-c-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/76573>