

# Product Datasheet

## Aldolase C Antibody (E9) - BSA Free NBP2-50056

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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**NBP2-50056**

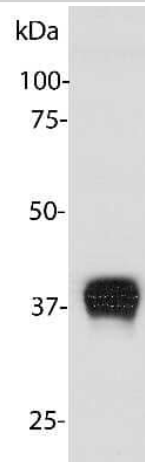
Aldolase C Antibody (E9) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	E9
<b>Preservative</b>	0.035% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	50% PBS, 50% glycerol
<b>Target Molecular Weight</b>	40 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	230
<b>Gene Symbol</b>	ALDOC
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Chicken, Equine
<b>Specificity/Sensitivity</b>	Also reacts with Aldolase A and B.
<b>Immunogen</b>	Full length recombinant human Aldolase C. [UniProt# P09972]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:10000, Immunocytochemistry/ Immunofluorescence 1:1000 - 1:5000

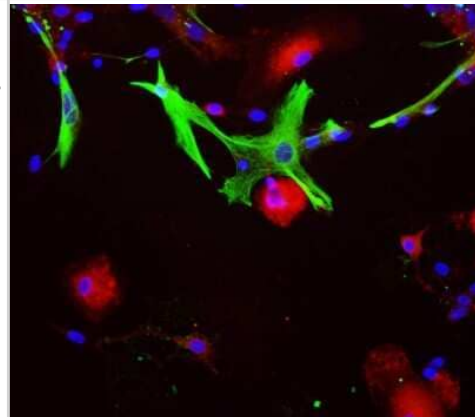


## Images

Western Blot: Aldolase C Antibody (E9) [NBP2-50056] - Right: Blots of rat brain lysate blotted with NBP2-50056. NBP2-50056 binds strongly and cleanly to a band at about 40 kDa. This antibody binds to an epitope shared by the closely related Aldolase A, B and C, recognizing all three on western blots. Above: Blots of recombinant human Aldolase A, B and C with NBP2-50056 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 for NBP2-50056 is within the core of the three Aldolase molecules which are less conserved than the N and C-termini where Aldolase C specific antibodies bind. The specificity of two other Aldolase antibodies is shown in the indicated parts of the image. One antibody binds to the N-terminal peptide (clone 4A9) and one to the C-terminal peptide (clone 1A1).



Immunocytochemistry/Immunofluorescence: Aldolase C Antibody (E9) [NBP2-50056] - View of mixed neuron/glial cultures stained with NBP2-50056 (red) and chicken antibody to GFAP (NBP1-05198, green). NBP2-50056 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.





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### **Products Related to NBP2-50056**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-49693	Recombinant Human Aldolase C Protein

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### **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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