

# Product Datasheet

## Aldolase C Antibody (1A1) - BSA Free NBP2-25144

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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**NBP2-25144**

Aldolase C Antibody (1A1) - 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	1A1
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	40 kDa

Product Description	
Host	Mouse
Gene ID	230
Gene Symbol	ALDOC
Species	Human, Mouse, Rat
Marker	pan-Astrocyte Marker
Immunogen	The C-terminal 23 amino acids of human Aldolase C (KYEGSGEDGGAAAQSLYIANHAY). [UniProt# P09972]

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, CyTOF-ready
Recommended Dilutions	Western Blot 1:2000-1:5000, Flow Cytometry 1 ug per million cells, Immunocytochemistry/ Immunofluorescence 1:1000-1:2000, CyTOF-ready
Application Notes	This Aldolase C (1A1) antibody is useful for Immunocytochemistry/Immunofluorescence and Western Blot, where a band can be seen at ~40 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. This antibody is CyTOF ready.

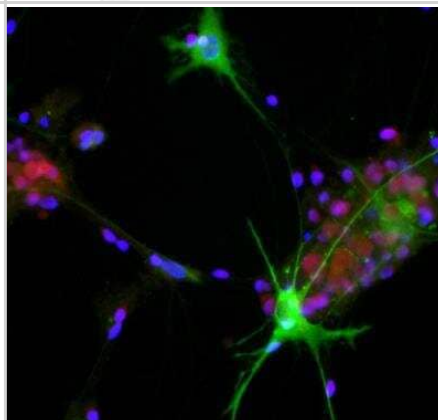


## Images

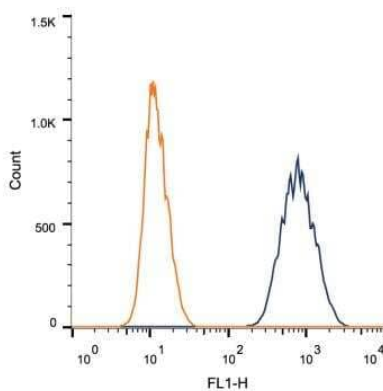
Western Blot: Aldolase C Antibody (1A1) [NBP2-25144] - Blots of crude rat brain lysates. The 1A1 clone binds strongly and cleanly to a band at about 40 kDa.



Immunocytochemistry/Immunofluorescence: Aldolase C Antibody (1A1) [NBP2-25144] - View of mixed neuron/glia cultures stained with NBP2-25144 (green) and the rabbit antibody to RBFOX3/NeuN (NBP1-92716, red). NBP2-25144 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.



Flow Cytometry: Aldolase C Antibody (1A1) [NBP2-25144] - Intracellular flow cytometric staining of  $1 \times 10^6$  MCF-7 cells using Aldolase C antibody (dark blue). Isotype control shown in orange. An antibody concentration of  $1 \mu\text{g}/1 \times 10^6$  cells was used.





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### **Products Related to NBP2-25144**

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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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