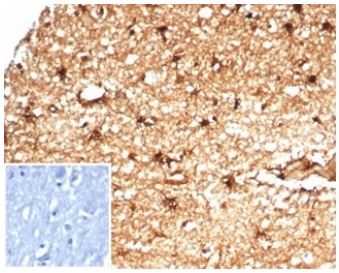
Aldehyde Dehydrogenase 1A1 Antibody ALDH1A1/7011R / ALDH1A1 Rabbit Monoclonal [clone ALDH1A1/7011R] (V9491)

Catalog No.	Formulation	Size
V9491-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9491-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9491SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

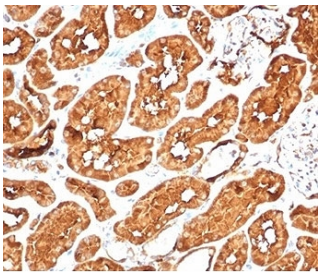
Recombinant RABBIT MONOCLONAL

Bulk quote request

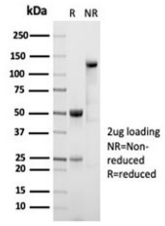
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Hamster, Rabbit, Guinea pig
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	ALDH1A1/7011R
Purity	Protein A/G affinity
UniProt	P00352
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml (Human) Western blot: 2-4ug/ml (Human/Mouse/Rat/Hamster/Rabbit/Guinea pig
Limitations	This Aldehyde Dehydrogenase 1A1 Antibody ALDH1A1/7011R is available for research use only.



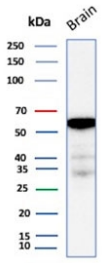
Aldehyde Dehydrogenase 1A1 Antibody ALDH1A1/7011R Brain Immunohistochemistry. IHC staining of FFPE human brain tissue with Aldehyde Dehydrogenase 1A1 antibody (clone ALDH1A1/7011R). Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Aldehyde Dehydrogenase 1A1 Antibody ALDH1A1/7011R Kidney Immunohistochemistry. IHC staining of FFPE human kidney tissue with recombinant Aldehyde Dehydrogenase 1A1 antibody (clone ALDH1A1//7011R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Aldehyde Dehydrogenase 1A1 antibody (clone ALDH1A1/7011R) as confirmation of integrity and purity.



Aldehyde Dehydrogenase 1A1 Antibody ALDH1A1/7011R Human Brain Tissue WB. Western blot testing of human brain tissue lysate using recombinant Aldehyde Dehydrogenase 1A1 antibody (clone ALDH1A1/7011R). Expected molecular weight ~55 kDa.

Description

Aldehyde Dehydrogenase 1A1 Antibody ALDH1A1/7011R detects ALDH1A1, belonging to the ALDH enzymes, a family of evolutionarily conserved enzymes comprised of 19 isoforms that are localized in the cytoplasm, mitochondria or nucleus. ALDH1A1 is predominantly expressed in the epithelium of testis, brain, eye, liver, kidney, as well as neural and hematopoietic stem cells. Reportedly, high ALDH1A1 expression is found in solitary fibrous tumor (SFT) and hemangiopericytoma (HPC), compared to meningiomas and synovial sarcomas. In combination with CD34, ALDH1A1 may be useful for the differentiation among SFT, HPC, meningioma, and synovial sarcoma.

For broader multi-application ALDH1A1 detection including IF and flow cytometry workflows, see our ALDH1A1 Antibody / Cancer Stem Cell and Retinoic Acid Metabolism Marker page.

Application Notes

Optimal dilution of the Aldehyde Dehydrogenase 1A1 Antibody ALDH1A1/7011R should be determined by the researcher.

Immunogen

A portion of amino acids 315-434 was used as the immunogen for the recombinant Aldehyde Dehydrogenase 1A1 antibody.

Storage

Aliquot the Aldehyde Dehydrogenase 1A1 ALDH1A1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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