

Product Datasheet

Recombinant Aldehyde Dehydrogenase 1A1 Antibody / ALDH1A1 (orb2635523)

Catalog Number	orb2635523
Category	Antibodies
Description	ALDH1A1 belongs 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.
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	A portion of amino acids 315-434 was used as the immunogen for the recombinant Aldehyde Dehydrogenase 1A1 antibody.
UniProt ID	P00352
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the recombinant Aldehyde Dehydrogenase 1A1 antibody should be determined by the researcher.

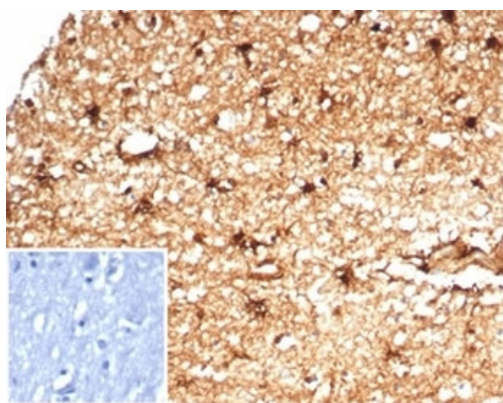
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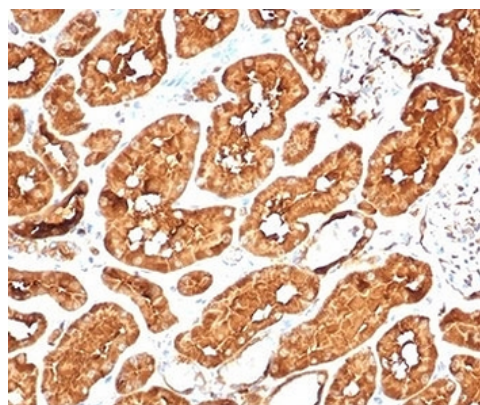
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Antibody Type	Primary Antibody
Clone Number	ALDH1A1/7011R
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human brain tissue with recombinant 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 pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



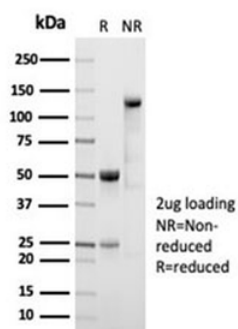
IHC staining of FFPE human kidney tissue with recombinant Aldehyde Dehydrogenase 1A1 antibody (clone ALDH1A1/7011R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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

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