

Rabbit ALDH1A2 Polyclonal Antibody | anti-ALDH1A2 antibody

Anti-ALDH1A2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259926	Rabbit	Human, Mouse, Rat, Monkey	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

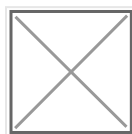
PRODUCT SYNONYMS

ALDH1A2; Polyclonal Antibody; Anti-ALDH1A2 Antibody; RALDH2; Retinal dehydrogenase 2; RALDH 2; RalDH2; Aldehyde dehydrogenase family 1 member A2; Retinaldehyde-specific dehydrogenase type 2; RALDH(II); anti-ALDH1A2 antibody

PRODUCT SPECIFICATIONS

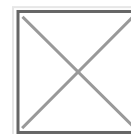
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of ALDH1A2 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	497
Applicable Applications for anti-ALDH1A2 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ALDH1A2. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



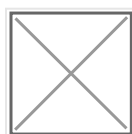
IF (Immunofluorescence)

Immunofluorescent analysis of ALDH1A2 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of ALDH1A2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of ALDH1A2 expression in MCF7 (A) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH1A2 antibody	Rabbit polyclonal antibody to ALDH1A2
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332634711
NCBI GeneID	8854
NCBI Accession #	NP_001193826.1
NCBI GenBank Nucleotide #	NM_001206897.1
UniProt Accession #	O94788; Q2PJS6; Q8NHQ4; Q9UBR8; Q9UFY0; B3KY52; B4DZR2; F5H2Y9; H0YM00
Molecular Weight	46,137 Da
NCBI Official Full Name	retinal dehydrogenase 2 isoform 4
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family, member A2
NCBI Official Symbol	ALDH1A2
NCBI Official Synonym Symbols	RALDH2; RALDH2-T; RALDH(II)
NCBI Protein Information	retinal dehydrogenase 2
UniProt Protein Name	Retinal dehydrogenase 2
UniProt Gene Name	ALDH1A2
UniProt Synonym Gene Names	RALDH2; RALDH 2; RaIDH2; RALDH(II)
UniProt Entry Name	AL1A2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aldh1a2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/259926>