



ALDH1A2 rabbit pAb

Cat No.:ES7892

For research use only

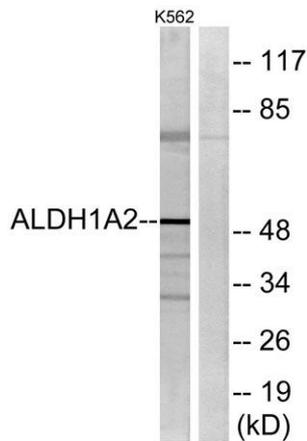
Overview

Product Name	ALDH1A2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000.IHC-p:1:50-300 ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ALDH1A2. AA range:412-461
Specificity	ALDH1A2 Polyclonal Antibody detects endogenous levels of ALDH1A2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Retinal dehydrogenase 2
Gene Name	ALDH1A2
Cellular localization	Cytoplasm.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	52kD
Human Gene ID	8854
Human Swiss-Prot Number	O94788
Alternative Names	ALDH1A2; RALDH2; Retinal dehydrogenase 2; RALDH 2; RaLDH2; Aldehyde dehydrogenase family 1 member A2; Retinaldehyde-specific dehydrogenase type 2; RALDH(II)
Background	This protein belongs to the aldehyde dehydrogenase family of proteins. The product of this gene is an enzyme that catalyzes the synthesis of retinoic acid (RA) from retinaldehyde. Retinoic acid, the active

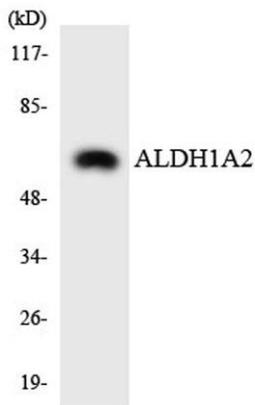




derivative of vitamin A (retinol), is a hormonal signaling molecule that functions in developing and adult tissues. The studies of a similar mouse gene suggest that this enzyme and the cytochrome CYP26A1, concurrently establish local embryonic retinoic acid levels which facilitate posterior organ development and prevent spina bifida. Four transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, May 2011],



Western blot analysis of lysates from K562 cells, using ALDH1A2 Antibody. The lane on the right is blocked with the synthesized peptide.

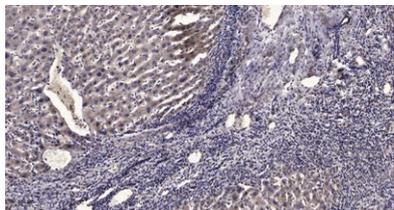


Western blot analysis of the lysates from COLO205 cells using ALDH1A2 antibody.





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Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C