

For Research Use Only

ALDH1A2 Recombinant antibody, PBS Only

Catalog Number: 86518-1-PBS



Basic Information

Catalog Number: 86518-1-PBS	GenBank Accession Number: BC030589	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 8854	CloneNo.: 251371D10
Source: Rabbit	UNIPROT ID: O94788	
Isotype: IgG	Full Name: aldehyde dehydrogenase 1 family, member A2	
Immunogen Catalog Number: AG5062	Calculated MW: 518 aa, 57 kDa	
	Observed MW: 53-57 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

ALDH1A2(aldehyde dehydrogenase family 1 member A2) is also named as RALDH2(retinal dehydrogenase 2) and belongs to the aldehyde dehydrogenase family. It is a cytosolic homotetramer(56.7 kDa subunits) exhibiting complex expression patterns throughout embryonic development. ALDH1A2 plays a role in retinoid metabolism during embryonic development where it is considered to be the major retinoic acid-synthesizing enzyme during early embryogenesis(PMID:20735668). Its expression is reduced in primary prostate tumors compared with normal prostate tissue suggested that it is normally expressed in the epithelial compartment of prostate tissue(PMID:16166285).It has 2 isoforms produced by alternative splicing.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

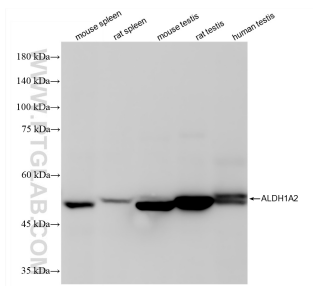
T: 4006900926

E: Proteintech-CN@ptglab.com

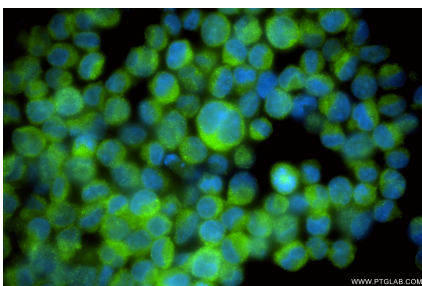
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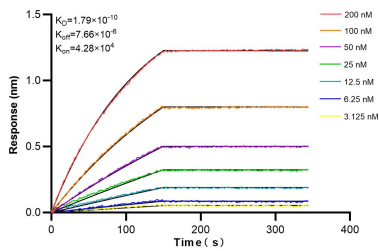
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86518-1-RR (ALDH1A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86518-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using ALDH1A2 antibody (86518-1-RR, Clone: 251371D10) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86518-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86518-1-RR against Human ALDH1A2 were performed. The affinity constant is 0.179 nM.