

For Research Use Only

ALDH3A1 Recombinant antibody, PBS Only

Catalog Number: 85725-1-PBS



Basic Information

Catalog Number: 85725-1-PBS	GenBank Accession Number: BC004370	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 218	CloneNo.: 243134D8
Source: Rabbit	UNIPROT ID: P30838	
Isotype: IgG	Full Name: aldehyde dehydrogenase 3 family, memberA1	
Immunogen Catalog Number: AG7977	Calculated MW: 50 kDa	
	Observed MW: 48-52 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

ALDH3A1 (Aldehyde dehydrogenase, dimeric NADP-preferring), also named as ALDH3, is a member of the ALDH superfamily, which consists of NAD(P)+-dependent enzymes that catalyse the oxidation of a wide variety of endogenously produced and exogenous aldehydes to their corresponding acids. It is expressed at high concentrations in the mammalian cornea and it is believed that it protects this vital tissue and the rest of the eye against UVlight-induced damage.(PMID:12943535). It can exist as a dimer(PMID:16919242).

Storage

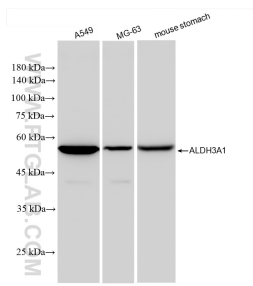
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

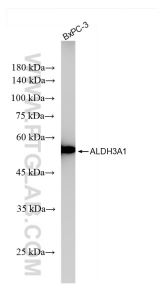
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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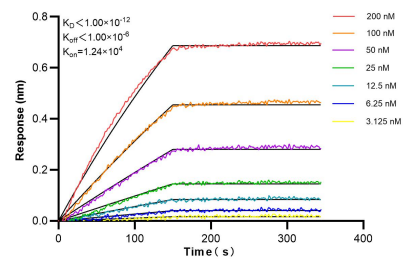
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85725-1-RR (ALDH3A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85725-1-PBS in a different storage buffer formulation.



BxPC-3 cells were subjected to SDS PAGE followed by western blot with 85725-1-RR (ALDH3A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85725-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85725-1-RR against Human ALDH3A1 were performed. The affinity constant is below 1 pM.