

For Research Use Only

IMPDH2 Recombinant antibody

Catalog Number: 86346-3-RR



Basic Information

Catalog Number:	86346-3-RR	GenBank Accession Number:	BC012840	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	3615	CloneNo.:	251066H6
Source:	Rabbit	UNIPROT ID:	P12268	Recommended Dilutions:	WB: 1:5000-1:50000
Isotype:	IgG	Full Name:	IMP (inosine monophosphate) dehydrogenase 2		
Immunogen Catalog Number:	AG3632	Calculated MW:	514 aa, 56 kDa		
		Observed MW:	56 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:
Species Specificity:	human, mouse, rat	WB: HeLa cells, K-562 cells, MCF-7 cells, Jurkat cells, HSC-T6 cells, 4T1 cells

Background Information

IMPDH2, also named as IMPD2, belongs to the IMPDH/GMPR family. It is a rate limiting enzyme in the de novo synthesis of guanine nucleotides and therefore is involved in the regulation of cell growth. It may also have a role in the development of malignancy and the growth progression of some tumors. IMPDH2 is a key enzyme in the purine nucleotide biosynthetic pathway and constitutes a pivotal biological target for immunosuppressant and antiviral drugs. (PMID:21181270)

Storage

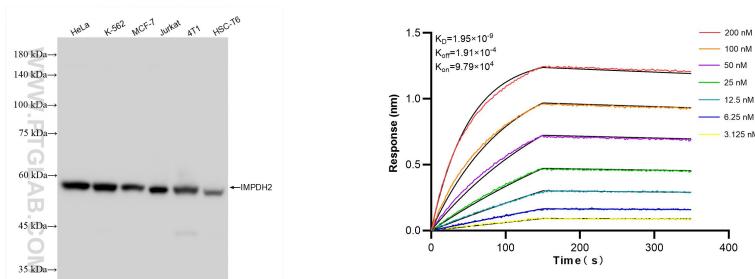
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86346-3-RR (IMPDH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Biolayer interferometry (BLI) kinetic assays of 86346-3-RR against Human IMPDH2 were performed. The affinity constant is 1.95 nM.