

For Research Use Only

IMPDH2 Recombinant antibody, PBS Only

Catalog Number: 86346-3-PBS



Basic Information

Catalog Number:	86346-3-PBS	GenBank Accession Number:	BC012840	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	3615	CloneNo.:	251066H6
Source:	Rabbit	UNIPROT ID:	P12268		
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, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

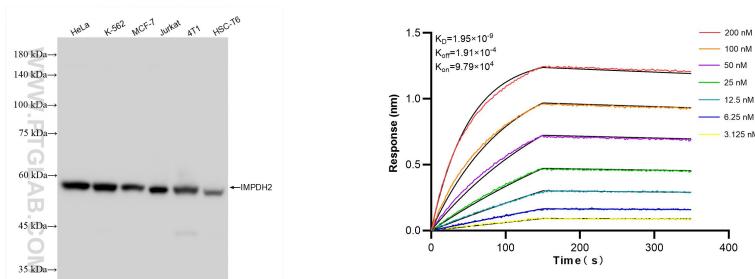
Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:
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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 86346-3-RR (IMPDH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86346-3-PBS in a different storage buffer formulation.

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