

For Research Use Only

IMPDH1 Recombinant antibody

Catalog Number: 84913-1-RR



Basic Information

Catalog Number: 84913-1-RR	GenBank Accession Number: BC033622	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 3614	CloneNo.: 242329D8
Source: Rabbit	UNIPROT ID: P20839	Recommended Dilutions: WB 1:1000-1:8000
Isotype: IgG	Full Name: IMP (inosine monophosphate) dehydrogenase 1	
Immunogen Catalog Number: AG17473	Calculated MW: 563 aa, 60 kDa	
	Observed MW: 53-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Raji cells, HeLa cells, A431 cells
Species Specificity: human	

Background Information

IMPDH1 (Inosine-5'-monophosphate dehydrogenase 1) is also named as IMPD1, IMP dehydrogenase 1 and belongs to the IMPDH/GMPR family. It catalyzes the rate limiting step of de novo guanine synthesis and an important target for the development of drugs with both chemotherapeutic and immunosuppressive activity. It may also have a role in the development of malignancy and the growth progression of some tumors. This protein has some isoforms produced by alternative splicing with the molecular mass of 53-65 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

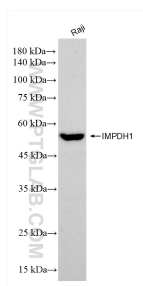
T: 4006900926

E: Proteintech-CN@ptglab.com

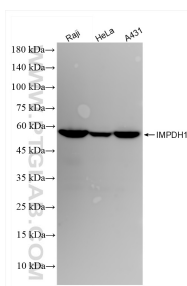
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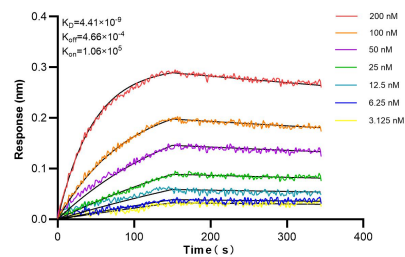
Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 84913-1-RR (IMPDH1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 84913-1-RR (IMPDH1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 84913-1-RR against Human IMPDH1 were performed. The affinity constant is 4.41 nM.