

For Research Use Only

IMPDH2-specific Polyclonal antibody



Catalog Number: 55398-1-AP

Basic Information

Catalog Number: 55398-1-AP	GenBank Accession Number: NM_000884	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 633 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3615	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: IMP (inosine monophosphate) dehydrogenase 2	
IsoType: IgG	Calculated MW: 56 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB: A549 cells, K-562 cells, mouse skeletal muscle tissue
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	IHC: human brain tissue,

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). This antibody is specific to IMPDH2.

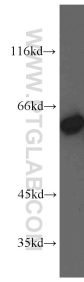
Storage

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

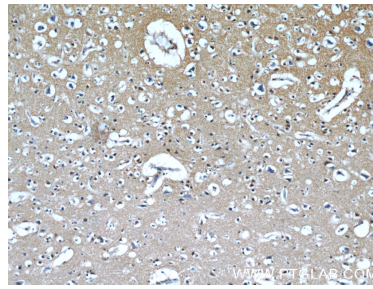
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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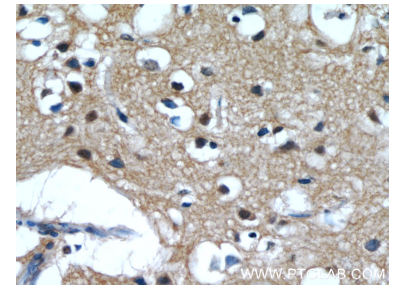
Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 55398-1-AP (IMPDH2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 55398-1-AP (IMPDH2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 55398-1-AP (IMPDH2 antibody) at dilution of 1:50 (under 40x lens).