

IMPDH2 Polyclonal Antibody

Catalog number: 12948-1-AP

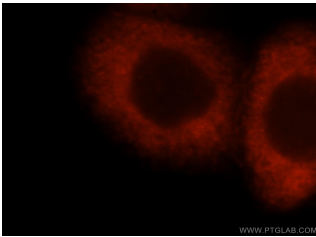
Size: 39 µg/150 µl

Source: Rabbit

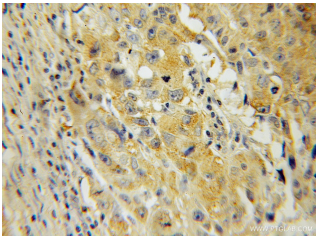
Isotype: IgG

Synonyms:

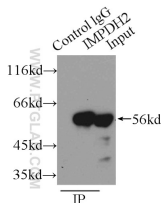
IMPDH2; IMP dehydrogenase 2, IMPD 2, IMPD2, IMPDH 2, IMPDH II, IMPDH2



Immunofluorescent analysis of HeLa cells, using IMPDH2 antibody 12948-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human lung cancer using 12948-1-AP (IMPDH2 antibody) at dilution of 1:100 (under 10x lens)



IP Result of anti-IMPDH2 (IP:12948-1-AP, 3µg; Detection:12948-1-AP 1:800) with K-562 cells lysate 4000µg.

Background

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) IMPDH2 is highly enriched in RR(filamentous rods and rings).

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated IMPDH2 MW:	514aa, 56kd
Observed IMPDH2 MW:	56kd
Positive WB detected in	Human heart tissue, A549 cells, human brain tissue, K-562 cells, mouse heart tissue, mouse lung tissue, rat heart tissue
Positive IP detected in	K-562 cells
Positive IHC detected in	Human lung cancer tissue
Positive IF detected in	Hela cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3632
GenBank accession number:	BC012840
Gene ID (NCBI):	3615
Full name:	IMP (inosine monophosphate) dehydrogenase 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.