

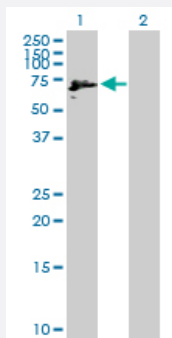
MaxPab®

IMPDH2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003615-D01P

Size 100 ug

Applications

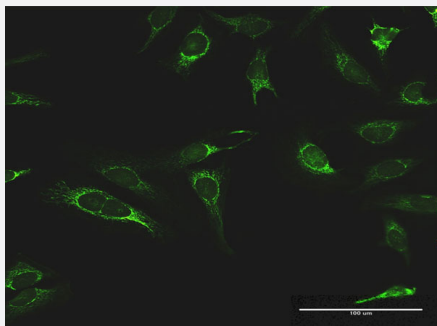


Western Blot (Transfected lysate)

Western Blot analysis of IMPDH2 expression in transfected 293T cell line ([H00003615-T01](#)) by IMPDH2 MaxPab polyclonal antibody.

Lane 1: IMPDH2 transfected lysate(55.80 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to IMPDH2 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human IMPDH2 protein.

Immunogen

IMPDH2 (NP_000875.2, 1 a.a. ~ 514 a.a) full-length human protein.

Sequence

MADYLISGGTSYVPDDGLTAQQLFNCGDGLTYNDFLILPGYIDFTADQVDLTSAITKKITLKTPLVSS
PMDTVTEAGMAIAMALTGGIGFIHNNCTPEFQANEVRKVKKYEQGFITDPVVLSPKDRVRDVFEAK
ARHGFCGIPITDTGRMGSLVGISSRDIDFLKEEEHDCFLEEIMTKREDLVVAPAGITLKEANEILQR
SKKGKLPVNEDDELVAIARTDLKKNRDYPLASKDAKKQLLCGAAIGTHEDDKYRLDLLAQAGVD
VVVLDSSQGNISFQINMIKYIKDKYPNLQVIGGNVVTAAQAKNLIDAGVDALRVGMGSGSICITQEV
ACGRPQATAVYKVSEYARRFGVPVIADGGIQNVGHIKALALGASTVMMGSLLAATTEAPGEYFF
SDGIRLKKYRGMGSLDAMDKHLSSQNRYFSEADKIKVAQGVSGAVQDKGSIHKFVPLYAGIQHSC
QDIGAKSLTQVRAMMYSGELKFEKRTSSAQVEGGVHSLHSYERLRF

Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

- Immunofluorescence

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Gene Info — IMPDH2

Entrez GeneID	3615
GeneBank Accession#	NM_000884.2
Protein Accession#	NP_000875.2
Gene Name	IMPDH2
Gene Alias	IMPD2, IMPDH-II
Gene Description	IMP (inosine monophosphate) dehydrogenase 2
Omim ID	146691
Gene Ontology	Hyperlink

Gene Summary

This gene encodes the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is thus involved in maintaining cellular guanine deoxy- and ribonucleotide pools needed for DNA and RNA synthesis. The encoded protein catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. This gene is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation. [provided by RefSeq]

Other Designations

IMP dehydrogenase 2|IMP oxireductase 2|inosine 5' phosphate dehydrogenase 2|inosine monophosphate dehydrogenase 2|inosine monophosphate dehydrogenase type II|inosine monophosphate oxireductase 2

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)

Disease

- [Arthritis](#)
- [Disease Progression](#)
- [Gastroenteritis](#)
- [Genetic Predisposition to Disease](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Schizophrenia](#)