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IMPDH2 Rabbit mAb
Catalog # AP76551

Specification

IMPDH2 Rabbit mAb - Product Information

Application	**WB, IHC-P, IHC-F, IP, ICC**
Primary Accession	P12268
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**55805**

IMPDH2 Rabbit mAb - Additional Information

Gene ID 3615

Other Names
IMPDH2

Dilution
WB~~1/500-1/1000
IHC-P~~N/A
IHC-F~~N/A
IP~~1/20
ICC~~N/A

Format
Liquid

IMPDH2 Rabbit mAb - Protein Information

Name IMPDH2 (HGNC:6053)

Synonyms IMPD2

Function
Catalyzes the conversion of inosine 5'-phosphate (IMP) to xanthosine 5'-phosphate (XMP), the first committed and rate-limiting step in the de novo synthesis of guanine nucleotides, and therefore plays an important role in the regulation of cell growth (PubMed:7763314, PubMed:7903306). Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism (PubMed:14766016). It may also have a role in the development of malignancy and the growth progression of some tumors.

Cellular Location
Cytoplasm. Nucleus. Cytoplasm, cytosol. Note=Can form fiber-like subcellular structures termed

'cytoophidia' in response to intracellular guanine- nucleotide depletion.

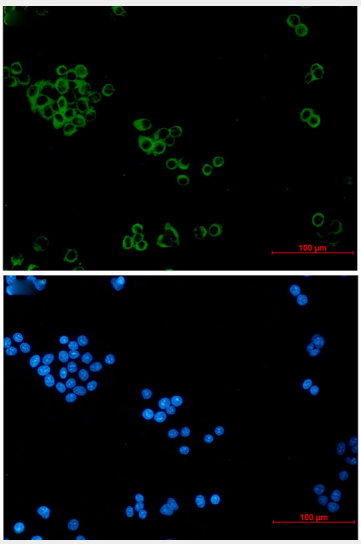
Tissue Location
IMPDH1 is the main species in normal leukocytes and IMPDH2 predominates over IMPDH1 in the tumor

IMPDH2 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IMPDH2 Rabbit mAb - Images



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