

IMPDH2 Rabbit mAb
Catalog # AP76551**Specification****IMPDH2 Rabbit mAb - Product Information**

Application	WB, IHC, IF, IP
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~~1/50-1/100

IF~~1/50-1/200

IP~~1/20

Format

Liquid

IMPDH2 Rabbit mAb - Protein InformationName 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 'cytophodia' 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 Cytometry](#)
- [Cell Culture](#)

IMPDH2 Rabbit mAb - Images



