

**IMPDH2 Rabbit mAb**  
Catalog # AP78099**Specification**

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**IMPDH2 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P12268</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>55805</b>

**IMPDH2 Rabbit mAb - Additional Information****Gene ID** 3615**Other Names**  
IMPDH2**Dilution**  
WB~~1/500-1/1000**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](http://www.uniprot.org/citations/7763314), PubMed:[7903306](http://www.uniprot.org/citations/7903306)). Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism (PubMed:[14766016](http://www.uniprot.org/citations/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

