

IMPDH2 Antibody

Rabbit mAb Catalog # AP92007

## Specification

# IMPDH2 Antibody - Product Information

Application Primary Accession Reactivity Clonality <b>Other Names</b> IMPD2; IMPDH 2; IMPDH II; Impdh2;	WB, IHC, FC, ICC, IP <u>P12268</u> Rat Monoclonal
lsotype	Rabbit IgG
Host	Rabbit

### **IMPDH2** Antibody - Additional Information

Purification	
Immunogen	

Calculated MW

Description

Storage Condition and Buffer

IMPDH2 Antibody - Protein Information

Name IMPDH2 (<u>HGNC:6053</u>)

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:<a

55805 Da

**IMPDH2** 

Affinity-chromatography

freeze / thaw cycle.

A synthesized peptide derived from human

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.

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

href="http://www.uniprot.org/citations/7763314" target="\_blank">7763314</a>, PubMed:<a href="http://www.uniprot.org/citations/7903306" target="\_blank">7903306</a>). Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism (PubMed:<a href="http://www.uniprot.org/citations/14766016" target="\_blank">14766016</a>). 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** 

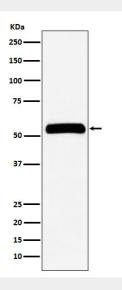
IMPDH1 is the main species in normal leukocytes and IMPDH2 predominates over IMPDH1 in the tumor

### **IMPDH2 Antibody - Protocols**

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

#### **IMPDH2** Antibody - Images



Western blot analysis of IMPDH2 expression in HeLa cell lysate.