

IMPDH2 Antibody
Rabbit mAb
Catalog # AP92007**Specification**

IMPDH2 Antibody - Product Information

| | |
|-----------------------------------|------------------------|
| Application | WB, IHC, FC, ICC, IP |
| Primary Accession | P12268 |
| Reactivity | Rat |
| Clonality | Monoclonal |
| Other Names | |
| IMPD2; IMPDH 2; IMPDH II; Impdh2; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 55805 Da |

IMPDH2 Antibody - Additional Information

| | |
|------------------------------|--|
| Dilution | WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A IP~~N/A |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human IMPDH2 |
| Description | 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. |
| Storage Condition and Buffer | 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 freeze / thaw cycle. |

IMPDH2 Antibody - 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

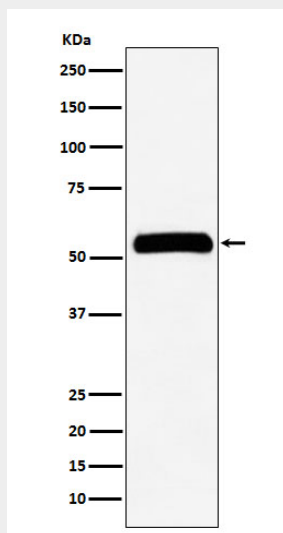
IMPDH1 is the main species in normal leukocytes and IMPDH2 predominates over IMPDH1 in the tumor

IMPDH2 Antibody - 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 Antibody - Images



Western blot analysis of IMPDH2 expression in HeLa cell lysate.