

## ARG64765 anti-IMPDH2 antibody

Package: 100 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Goat Polyclonal antibody recognizes IMPDH2  |
| Tested Reactivity   | Hu  |
| Tested Application  | WB  |
| Host                | Goat  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | IMPDH2  |
| Species             | Human   |
| Immunogen           | KEEEHDCFLEEI  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | IMPD2; EC 1.1.1.205; IMPDH-II; IMP dehydrogenase 2; IMPD 2; Inosine-5'-monophosphate dehydrogenase 2; IMPDH 2 |

### Application Instructions

| Application table | Application | Dilution    |
|-------------------|-------------|-------------|
|                   | WB          | 1 - 3 µg/ml |

**Application Note** WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| Buffer              | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA  |
| Preservative        | 0.02% Sodium azide   |
| Stabilizer          | 0.5% BSA   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

## Bioinformation

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### Database links

[GeneID: 3615 Human](#)

[Swiss-port # P12268 Human](#)

### Background

This gene encodes the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is thus involved in maintaining cellular guanine deoxy- and ribonucleotide pools needed for DNA and RNA synthesis. The encoded protein catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. This gene is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation. [provided by RefSeq, Jul 2008]

### Research Area

Cancer antibody; Metabolism antibody; Signaling Transduction antibody

### Calculated Mw

56 kDa

### PTM

The N-terminus is blocked.

## Images

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ARG64765 anti-IMPDH2 antibody WB image

Western Blot: Human Skeletal Muscle lysate (35 µg protein in RIPA buffer) stained with ARG64765 anti-IMPDH2 antibody at 1 µg/ml dilution.