

Anti-IMPDH2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A03021-2-Fluoro488

About IMPDH2

Inosine-5'-monophosphate dehydrogenase 2, also known as IMP dehydrogenase 2, is an enzyme that in humans is encoded by the IMPDH2 gene. 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.

Overview

| | |
|----------------------|--|
| Product Name | Anti-IMPDH2 Antibody Picoband® Fluoro488 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P12268 |

Technical Details

| | |
|---------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human IMPDH2, identical to the related mouse and rat sequences. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-IMPDPH2 Antibody - Fluoro488

For Research Use Only. Not for use in diagnostic procedures.