

For Research Use Only

# CoraLite®594-conjugated IMPDH2 Polyclonal antibody



Catalog Number:CL594-12948

Featured Product

## Basic Information

Catalog Number:

CL594-12948

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3632

GenBank Accession Number:

BC012840

GeneID (NCBI):

3615

UNIPROT ID:

P12268

Full Name:

IMP (inosine monophosphate)  
dehydrogenase 2

Calculated MW:

514 aa, 56 kDa

Observed MW:

56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HeLa cells,

## Background Information

IMPDH2, also named as IMPD2, belongs to the IMPDH/GMPR family. It is a 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. IMPDH2 is a key enzyme in the purine nucleotide biosynthetic pathway and constitutes a pivotal biological target for immunosuppressant and antiviral drugs. (PMID:21181270) IMPDH2 is highly enriched in RR(filamentous rods and rings). This antibody may have cross reaction with IMPDH1 due to the high homology.

## Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

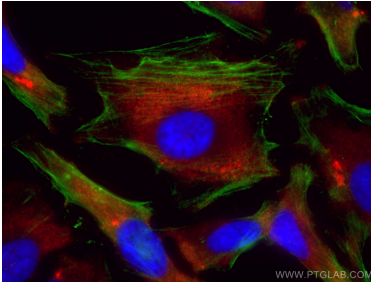
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®594 IMPDH2 antibody (CL594-12948) at dilution of 1:100, CoraLite®488 Beta Actin antibody (CL488-66009, Clone: 2D4H5, green).