

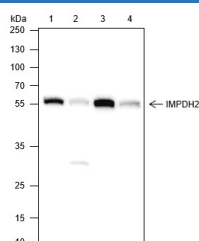
Recombinant IMPDH2 Monoclonal Antibody

catalog number: **AN301565L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

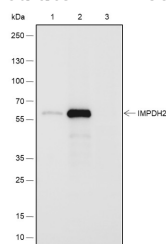
Description	
Reactivity	Human;Mouse
Immunogen	Recombinant human IMPDH2 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C271188
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	Recommended Dilution
WB	1:500-1:1000
IF	1:50
IP	1:25-1:50

Data



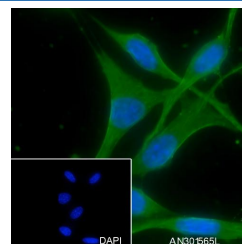
Western Blot with IMPDH2 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: 4T1, Lane 4: HepG2

Observed-MW:56 kDa
Calculated-MW:56 kDa



Immunoprecipitation analysis using anti-IMPDPH2 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using IMPDPH2 Monoclonal Antibody at a dilution of 1:50. Lane 1: 10% Input, Lane 2: IMPDPH2 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:56 kDa
Calculated-MW:56 kDa



Immunofluorescent analysis of (100% Ice-cold methanol) fixed NIH/3T3 cells using anti-IMPDPH2 Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

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Email: techsupport@elabscience.com

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Rev. V1.1

Shipping

Ice bag

Background

Inosine-5'-monophosphate dehydrogenase 2, also known as IMP dehydrogenase 2, is an enzyme that in humans is encoded by the IMPDH2 gene. IMP dehydrogenase 2 is 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. IMPDH2 catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. IMPDH2 has been identified as an intracellular target of the natural product sanglifehrin A.

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