For research purposes only, not for human use

Product Data Sheet

Anti-IMPDH1 Antibody

Catalog #	Source	Reactivity	Applications
CQA3600	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to IMPDH1
Immunogen	Recombinant full length protein of human IMPDH1
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of IMPDH1 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/2000), IF/IC (1/50 - 1/200)
Gene Symbol	IMPDH1
Alternative Names	IMPD1; Inosine-5'-monophosphate dehydrogenase 1; IMP dehydrogenase 1; IMPD 1; IMPDH 1; IMPDH-I
Entrez Gene	3614 (Human); 23917 (Mouse)
SwissProt	P20839 (Human); P50096 (Mouse); D3ZLZ7 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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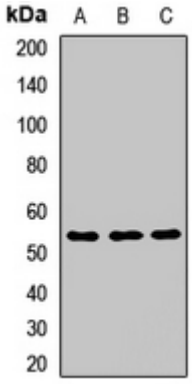
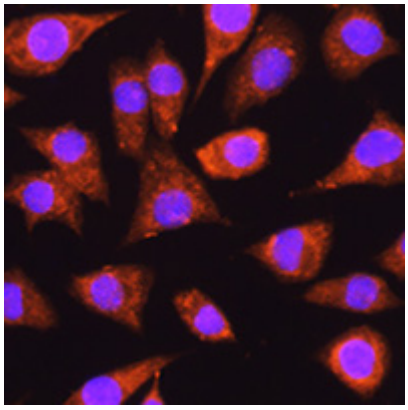


Western blot analysis of IMPDH1 expression in HT29 (A), mouse brain (B), mouse lung (C) whole cell lysates. (Predicted band size: 52; 54; 55; 60; 63; 64 kD; Observed band size: 55 kD)



Immunofluorescent analysis of IMPDH1 staining in L929 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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