

IMPDH2 (PT2098R) PT™ Rabbit mAb

CatalogNo: YM960451 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 56kD (Calculated)
56kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Basic Information

Clonality Monoclonal

Clone Number PT2098R

Immunogen Information

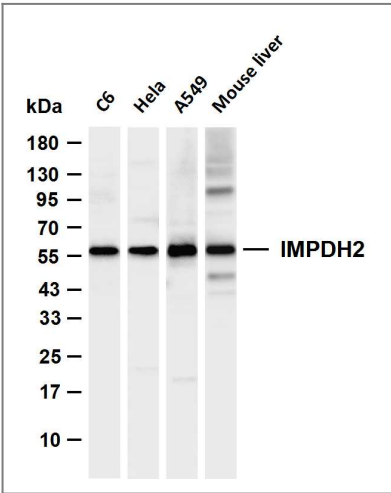
Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity Endogenous

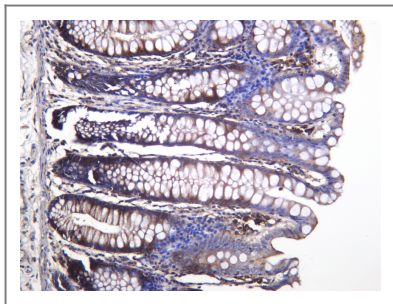
Target Information

Gene name	IMPDH2 IMPD2		
Protein Name	Inosine-5'-monophosphate dehydrogenase 2 (IMP dehydrogenase 2) (IMPD 2) (IMPDH 2) (IMPDH-II)		
	Organism	Gene ID	UniProt ID
	Human	3615;	P12268;
	Mouse	23918;	P24547;
	Rat		E9PU28;
Cellular Localization	Cytoplasm . Nucleus . Cytoplasm , cytosol . Can form fiber-like subcellular structures termed 'cytoophidia' in response to intracellular guanine-nucleotide depletion. .		
Tissue specificity	IMPDH1 is the main species in normal leukocytes and IMPDH2 predominates over IMPDH1 in the tumor.		
Function	Catalyzes the conversion of inosine 5'-phosphate (IMP) to xanthosine 5'-phosphate (XMP) , the first committed and rate-limiting step in the de novo synthesis of guanine nucleotides , and therefore plays an important role in the regulation of cell growth . Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism . It may also have a role in the development of malignancy and the growth progression of some tumors.		

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-IMPDH2 (PT2098R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: C6 Lane 2: HeLa Lane 3: A549 Lane 4: Mouse liver Predicted band size: 56kDa Observed band size: 56kDa



Human colon was stained with anti-IMPDH2 (PT2098R) Rabbit antibody

Contact information

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