

For Research Use Only

GMPR 1/2 Polyclonal antibody

Catalog Number: 15683-1-AP **5 Publications**



Basic Information

Catalog Number: 15683-1-AP	GenBank Accession Number: BC008281	Purification Method: Antigen affinity purification
Concentration: 260 µg/ml	GeneID (NCBI): 2766	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P36959	
Isotype: IgG	Full Name: guanosine monophosphate reductase	
Immunogen Catalog Number: AG8185	Calculated MW: 345 aa, 37 kDa	
	Observed MW: 37 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse skin tissue, mouse skeletal muscle tissue IHC : human colon cancer tissue,
Cited Applications: WB, IF, IP	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

GMPR (Guanosine monophosphate reductase) catalyzes the irreversible NADPH-dependent reductive deamination of guanosine monophosphate (GMP) to inosine monophosphate (IMP). GMPR is able to convert guanosine nucleotides to the pivotal precursor of both guanine (G) and adenine (A) nucleotides. It plays an important role in maintaining the intracellular balance of A and G nucleotides. This antibody can recognize both GMPR1 and GMPR2 due to the high homology.

Notable Publications

Author	Pubmed ID	Journal	Application
Ping-Yuan Wang	32958587	Cancer Prev Res (Phila)	WB
Anna Bianchi-Smiraglia	34667203	Nat Commun	WB
Nicole M Sayles	35263592	Cell Rep	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol 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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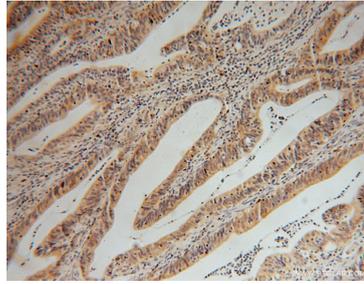
W: ptgcn.com

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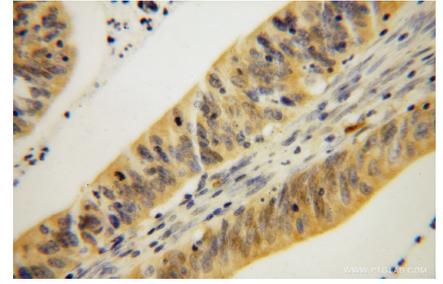
Selected Validation Data



mouse skin tissue were subjected to SDS PAGE followed by western blot with 15683-1-AP (GMPR 1/2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15683-1-AP (GMPR 1/2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15683-1-AP (GMPR 1/2 antibody) at dilution of 1:100 (under 40x lens).