For Research Use Only

GMPR 1/2 Polyclonal antibody

Catalog Number:15683-1-AP 4 Publications

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Basic Information

Catalog Number:
15683-1-AP

Size:
150ul , Concentration: 260 μg/ml by Nanodrop and 233 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8185

GenBank Accession Number:
BC008281

GeneID (NCBI):
2766

Full Name:
guanosine monophosphate reductase

Calculated MW:
345 aa, 37 kDa

Observed MW:
37 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:20-1:200

Applications

Tested Applications:
IHC, WB,ELISA

Cited Applications:
IF, IP, WB

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

Positive Controls:

WB : mouse skin tissue, mouse skeletal muscle tissue

IHC : human colon cancer tissue,

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

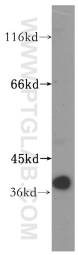
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

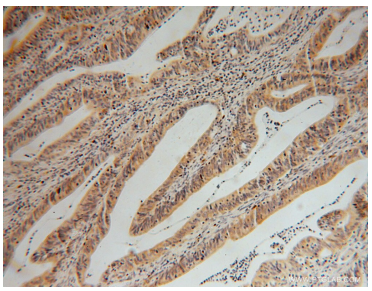
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

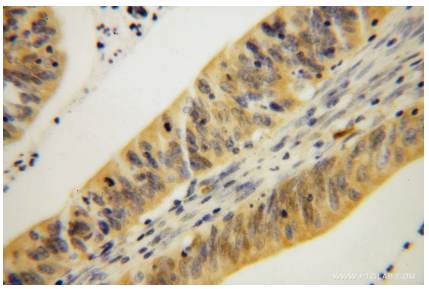
Selected Validation Data



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).