

For Research Use Only

MGP Polyclonal antibody

Catalog Number: 10734-1-AP

Featured Product

34 Publications



Basic Information

Catalog Number: 10734-1-AP	GenBank Accession Number: BC005272	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 4256	Recommended Dilutions: IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P08493	
Isotype: IgG	Full Name: matrix Gla protein	
Immunogen Catalog Number: AG1091	Calculated MW: 103 aa, 13 kDa	

Applications

Tested Applications:
IF, IHC, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
human, mouse

Cited Species:
human, rat, 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:

IHC : human colon cancer tissue, human small intestine tissue, human breast cancer tissue, human lymphoma tissue, human breast hyperplasia tissue

IF : mouse kidney tissue,

Background Information

Matrix Gla protein (MGP), a vitamin K-dependent protein, is recognized as a calcification inhibitor in vascular tissue. Defects in MGP are the cause of Keutel syndrome (KS), which is an autosomal recessive disorder characterized by abnormal cartilage calcification, peripheral pulmonary stenosis neural hearing loss and midfacial hypoplasia.

Notable Publications

Author	Pubmed ID	Journal	Application
Karolina Sterzyńska	30257426	Int J Mol Sci	WB,IHC,IF
Xin He	32979364	Exp Cell Res	IHC,WB
Yimeng Cui	36185284	Front Oncol	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

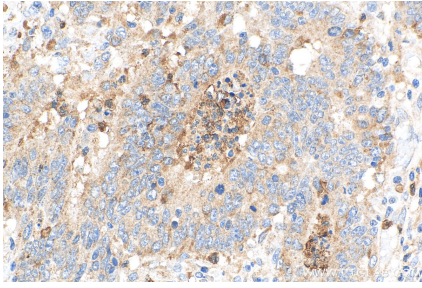
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

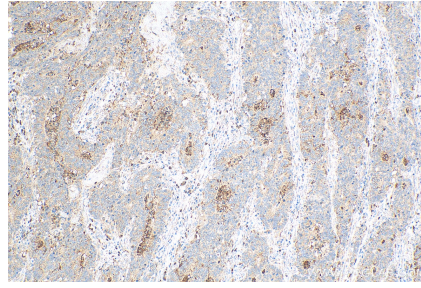
E: proteintech@ptglab.com
W: ptglab.com

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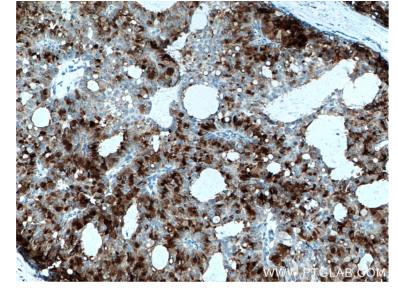
Selected Validation Data



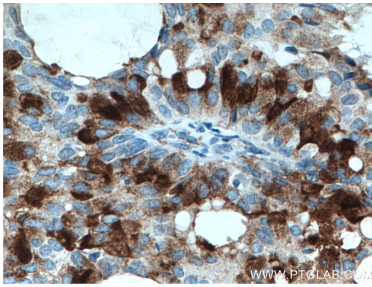
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10734-1-AP (MGP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



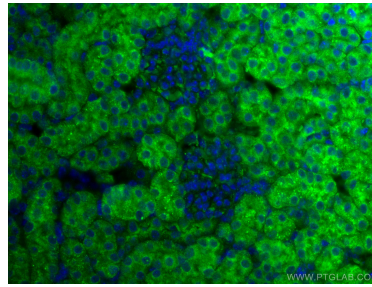
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10734-1-AP (MGP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



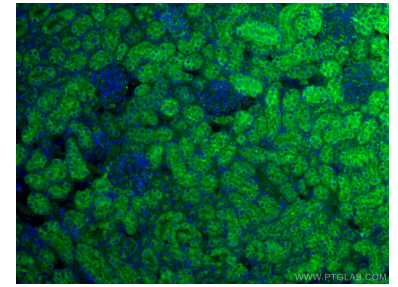
Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 10734-1-AP (MGP antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 10734-1-AP (MGP antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using MGP antibody (10734-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using MGP antibody (10734-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).