Elabscience®

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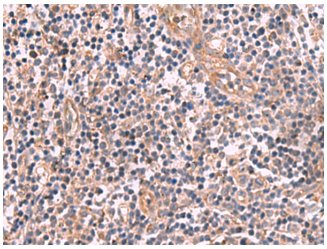
MGP Polyclonal Antibody

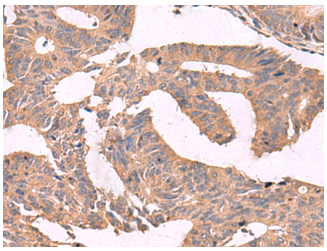
Catalog No.	E-AB-18763	**Reactivity**	H,M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC,ELISA	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Immunohistochemistry of paraffin-embedded Human tonsil tissue using MGP Polyclonal Antibody at dilution of 1:75(×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using MGP Polyclonal Antibody at dilution of 1:75(×200)

Immunogen Information

Immunogen	Fusion protein of human MGP
Gene Accession	BC005272
Swissprot	P08493
Synonyms	Cell growth inhibiting gene 36 protein,MATRIX,GIG36,Matrix Gla protein,MGLAP,MGP,NTI

Product Information

Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	IHC 1:70-1:350, ELISA 1:5000-1:10000

Background

Matrix Gla protein (MGP) is is a vitamin K-dependent,extracellular matrix protein. MGP plays a pivotal role in preventing soft tissue calcification and local mineralization of the vascular wall. Vitamin K deficiency leads to inactive uncarboxylated MGP (ucMGP),which accumulates at sites of arterial calcification. However MGP is synthesized in many tissues and is especially enriched in embryonic tissues and in cancer cells. 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.