Datasheet for ABIN7004091

anti-MGP antibody

2 Images

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Overview

Quantity:	20 µL
Target:	MGP
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MGP antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Fusion protein of human MGP
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	MGP
Alternative Name:	MGP (MGP Products)
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

Target Details

	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.
UniProt:	P08493

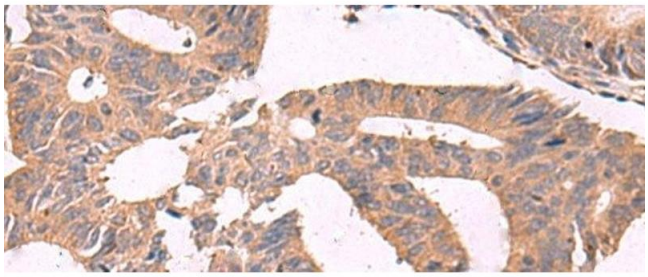
Application Details

Application Notes:	IHC 1:70-1:350, ELISA 1:5000-1:10000
Restrictions:	For Research Use only

Handling

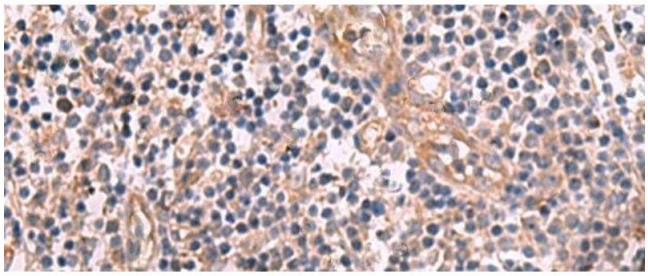
Format:	Liquid
Concentration:	1.32 mg/mL
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using MGP Polyclonal Antibody at dilution of 1:75(x200)



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human tonsil tissue using MGP Polyclonal Antibody at dilution of 1:75(x200)

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