

## MGP Polyclonal Antibody

Catalog No. E-AB-18763

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

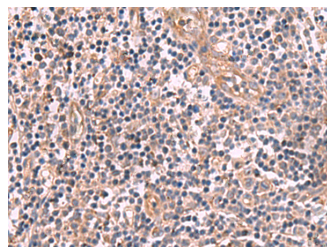
### Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Fusion protein of human MGP
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4

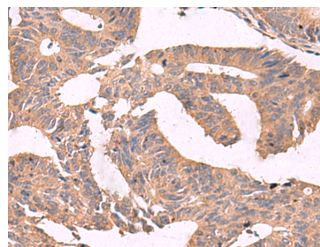
### Applications Recommended Dilution

**IHC** 1:70-1:350

### Data



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)

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### Background

Matrix Gla protein (MGP) 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.

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