

## Anti-MGP antibody

<b>Cat. No.</b>	ml225204
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-MGP rabbit polyclonal antibody
<b>Applications</b>	ELISA, IHC
<b>Immunogen</b>	Fusion protein of human MGP
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	1.32 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	MGP
<b>Full name</b>	matrix Gla protein
<b>Synonyms</b>	NTI; GIG36; MGLAP
<b>Swissprot</b>	P08493

### Target Background

This gene encodes a member of the osteocalcin/matrix Gla family of proteins. The encoded vitamin K-dependent protein is secreted by chondrocytes and vascular smooth muscle cells, and functions as a physiological inhibitor of ectopic tissue calcification. Carboxylation status of the encoded protein is associated with calcification of the vasculature in human patients with cardiovascular disease and calcification of the synovial membranes in osteoarthritis patients. Mutations in this gene cause Keutel syndrome in human patients, which is characterized by abnormal cartilage calcification, peripheral pulmonary stenosis and facial hypoplasia.

订购热线: 4008-898-798

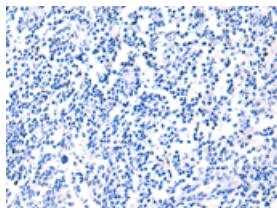
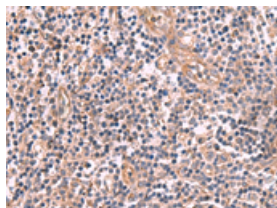
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human tonsil

Recommended dilution: 70-350

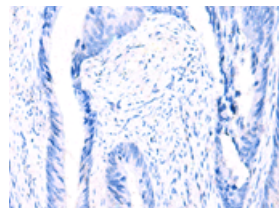
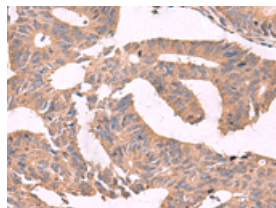


The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml225204(MGP Antibody) at dilution 1/75, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human colorectal cancer

Recommended dilution: 70-350



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ml225204(MGP Antibody) at dilution 1/75, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### ELISA

Recommended dilution: 5000-10000

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