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MGLAP/GIG36 Rabbit pAb

Catalog # AP98894

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P08493
Other Accession	P08493
Reactivity	Human
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12353
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MGLAP/GIG36
Epitope Specificity	20-96/103
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the osteocalcin/matrix Gla protein family. Contains 1 Gla (gamma-carboxy-glutamate) domain.
Post-translational modifications	Requires vitamin K-dependent gamma-carboxylation for its function.
DISEASE	Defects in MGP are the cause of Keutel syndrome (KS) [MIM:245150]. KS is an autosomal recessive disorder characterized by abnormal cartilage calcification, peripheral pulmonary stenosis neural hearing loss and midfacial hypoplasia.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is secreted and likely acts as an inhibitor of bone formation. The encoded protein is found in the organic matrix of bone and cartilage. Defects in this gene are a cause of Keutel syndrome (KS). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

Additional Information

Gene ID	4256
Other Names	GIG36; MGLAP; NTI; MGP_HUMAN; MGP; Cell growth-inhibiting gene 36 protein; MGP_MOUSE; MGP_RAT; matrix Gla protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MGP
Synonyms	MGLAP
Function	Associates with the organic matrix of bone and cartilage. Thought to act as an inhibitor of bone formation.
Cellular Location	Secreted.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.