

ARG58960 anti-MGP antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MGP
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MGP
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 20-103 of Human MGP (NP_000891.2).
Conjugation	Un-conjugated
Alternate Names	Cell growth-inhibiting gene 36 protein; GIG36; Matrix Gla protein; NTI; MGP; MGLAP

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U-87MG	
Observed Size	12 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

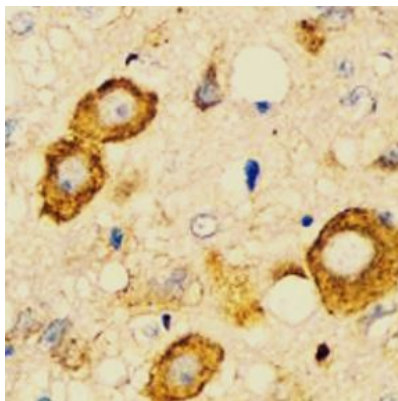
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

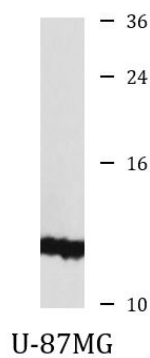
Gene Symbol	MGP
Gene Full Name	matrix Gla protein
Background	The protein encoded by this gene is secreted and likely acts as an inhibitor of bone formation. The encoded protein is found in the organic matrix of bone and cartilage. Defects in this gene are a cause of Keutel syndrome (KS). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Function	Associates with the organic matrix of bone and cartilage. Thought to act as an inhibitor of bone formation. [UniProt]
Calculated Mw	12 kDa
PTM	Requires vitamin K-dependent gamma-carboxylation for its function. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG58960 anti-MGP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG58960 anti-MGP antibody at 1:100 dilution.



ARG58960 anti-MGP antibody WB image

Western blot: 25 µg of U-87MG cell lysate stained with ARG58960 anti-MGP antibody at 1:1000 dilution.