Nur für Forschungszwecke

MGP Monoklonaler Antikörper

Katalog-Nr.:60055-1-Ig 2 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
60055-1-Ig

Größe:
150ul , Konzentration: 2000 μg/ml von Nanodrop und 1000 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG2a

Immunogen Katalognummer:
AG1091

GenBank-Zugangsnummer:
BC005272

GeneID (NCBI):
4256

Vollständiger Name:
matrix Gla protein

Berechneté Masse:
103 aa, 13 kDa

Beobachteté Masse:
12 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
1A1C3

Empfohlene Verdünnungen:
WB 1:2000-1:10000
IHC 1:400-1:1600
IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:
IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Human, Maus

Zitierte Arten:
Human

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : humanes Plazenta-Gewebe, humanes Hirngewebe, humanes Leberkarzinomgewebe, humanes Nierengewebe

IHC : humanes Gliomgewebe, humanes Herzgewebe, humanes Hirngewebe, humanes Lungengewebe, humanes Nierengewebe

IF : MDA-MB-231-Zellen, Mausnierengewebe

Hintergrundinformationen

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 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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Zhenjun Xu	34795497	J Inflamm Res	WB
Weiquan Yuan	37187293	J Biol Chem	WB

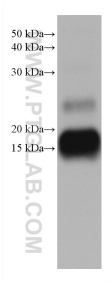
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

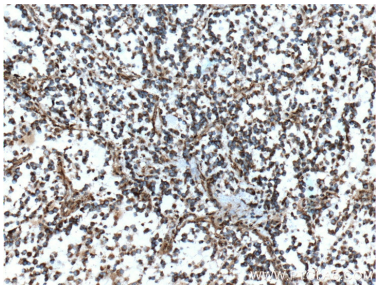
***** 20ul-Größen enthalten 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

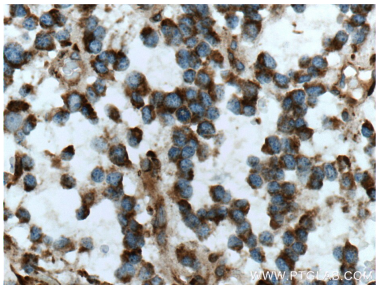
Ausgewählte Validierungsdaten



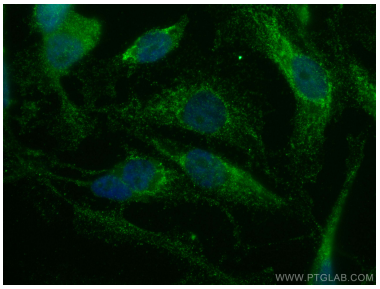
human placenta tissue were subjected to SDS PAGE followed by western blot with 60055-1-Ig (MGP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



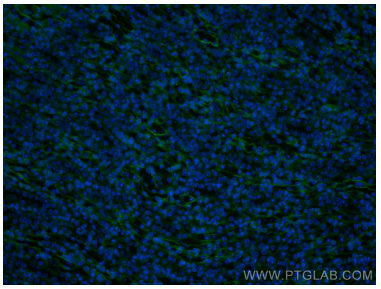
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 60055-1-Ig (MGP Antibody) at dilution of 1:800 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 60055-1-Ig (MGP Antibody) at dilution of 1:800 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed MDA-MB-231 cells using MGP antibody (60055-1-Ig, Clone: 1A1C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using MGP antibody (60055-1-Ig, Clone: 1A1C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).