For Research Use Only

ECM1 Monoclonal antibody

Catalog Number:66023-1-Ig

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Basic Information

Catalog Number:
66023-1-Ig

Size:
150ul , Concentration: 1360 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG17955

GenBank Accession Number:
BC023505

GeneID (NCBI):
1893

UNIPROT ID:
Q16610

Full Name:
extracellular matrix protein 1

Calculated MW:
540 aa, 61 kDa

Observed MW:
61 kDa

Purification Method:
Protein A purification

CloneNo.:
6A12B3

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:20-1:200

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF7 cells, COLO 320 cells, human heart tissue

IHC : human breast cancer tissue, human liver cancer tissue

Background Information

Extracellular matrix protein 1 (ECM1) is a glycoprotein involved in a number of biological processes such as such as bone formation, skin differentiation, cell proliferation, and promotes angiostasis. Pathologically, ECM1 contributes to the formation and metastasis of several types of cancer including breast, thyroid and hepatocellular cancers. (21128013) It inhibits MMP9 proteolytic activity.

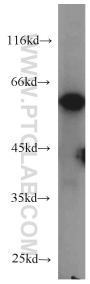
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

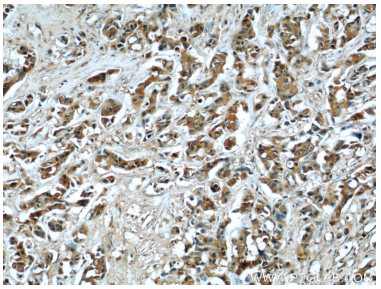
***** 20ul sizes contain 0.1% BSA**

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

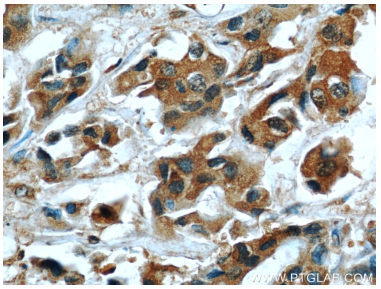
Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 66023-1-Ig (ECM1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 66023-1-Ig(ECM1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 66023-1-Ig(ECM1 antibody) at dilution of 1:50 (under 40x lens).