For Research Use Only

MAEA Polyclonal antibody

Catalog Number: 28363-1-AP

4 Publications



Basic Information

Catalog Number:

28363-1-AP

BC001225

Size:

GeneID (NCBI):

1000 µg/ml

10296

Source:

Rabbit

Q7L5Y9

Isotype:

GenBank Accession Number:

BC001225

UNIPROT ID:

Q7L5Y9

Full Name:

macrophage erythroblast attacher

Immunogen Catalog Number: Calculated MW:

AG27150 45 kDa

Observed MW: 45 kDa Purification Method: Antigen affinity purification Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500

Applications

Tested Applications: IHC, WB, ELISA Cited Applications: IHC, WB

Species Specificity:

Human
Cited Species:
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: HepG2 cells, Jurkat cells

IHC: human liver cancer tissue, human breast cancer

tissue

Background Information

MAEA (macrophage erythroblast attacher) is a core component of the CTLH E3 ubiquitin-protein ligase complex. MAEA is required for normal cell proliferation and plays a role in erythroblast enucleation during erythrocyte maturation and in the development of mature macrophages. N-terminus MAEA and full-length MAEA are mostly expressed in nuclear and can be detected at low level in the cytoplasm of some cells, while C-terminus MAEA can be detected in the cytoplasm and nucleoli within the nucleus. MAEA mediates the attachment of erythroid cell to mature macrophages which can inhibit erythroid cell apoptosis. The expression of MAEA may be associated with the type 2 diabetes mellitus. (PubMed: 28955747, 24143168, 29911972, 29911972, 30674470, 9763581).

Notable Publications

Author	Pubmed ID	Journal	Application
Chunyuan Tang	35565466	Cancers (Basel)	WB
Yingming Jiang	37718450	J Transl Med	WB,IHC
Victoria N Jordan	37166757	Chembiochem	WB

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

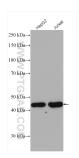
For technical support and original validation data for this product please contact:

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W: ptgcn.co

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28363-1-AP (MAEA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 28363-1-AP (MAEA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).