

For Research Use Only

# Multi-rAb™ MAEA Multi-Recombinant antibody

Catalog Number: RMX00005



## Basic Information

Catalog Number: RMX00005	GenBank Accession Number: BC001225	Purification Method: N/A
Concentration: 1000 ug/ml	GeneID (NCBI): 10296	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q7L5Y9	
Isotype: IgG	Full Name: macrophage erythroblast attacher	
	Calculated MW: 45 kDa	
	Observed MW: 45 kDa	

## Applications

Tested Applications: WB, IF/ICC, IP, ELISA	Positive Controls: WB : HepG2 cells, Jurkat cells, MCF-7 cells, U2OS cells IP : HepG2 cells, IF/ICC : HeLa cells,
Species Specificity: human	

## 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).

## 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:

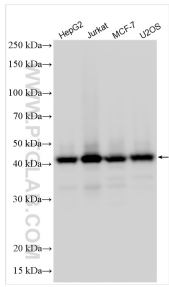
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

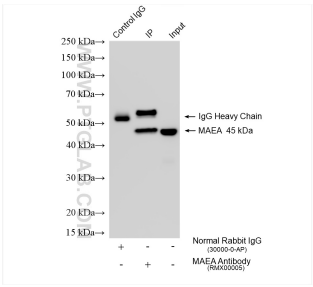
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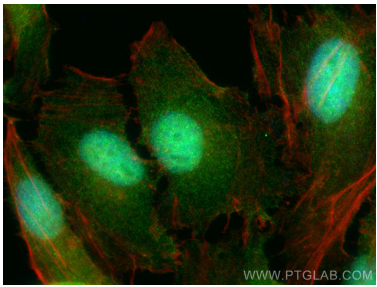
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00005 (MAEA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-MAEA (IP:RMX00005, 4ug; Detection:RMX00005 1:40000) with HepG2 cells lysate 2400 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MAEA antibody (RMX00005) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).