

For Research Use Only

# Multi-rAb™ MAEA Multi-Recombinant antibody

Catalog Number: RMX00005



## Basic Information

<b>Catalog Number:</b> RMX00005	<b>GenBank Accession Number:</b> BC001225	<b>Purification Method:</b> N/A
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10296	<b>Recommended Dilutions:</b> 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
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7L5Y9	
<b>Isotype:</b> IgG	<b>Full Name:</b> macrophage erythroblast attacher	
	<b>Calculated MW:</b> 45 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

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

## 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

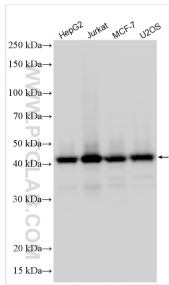
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

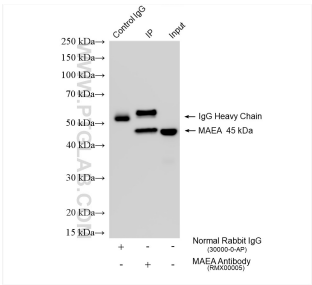
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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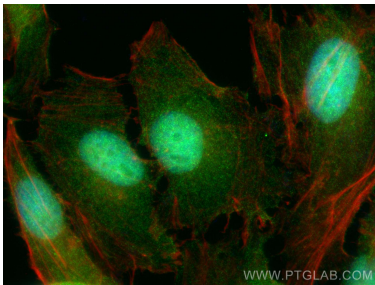
Selected Validation Data



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).