

Rabbit MAEA Polyclonal Antibody | anti-MAEA antibody

MAEA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324026	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

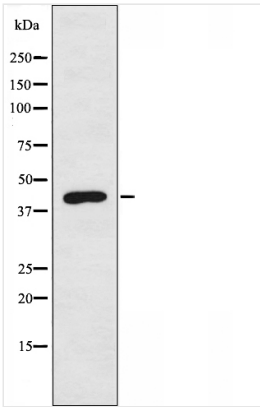
PRODUCT SYNONYMS

MAEA; Polyclonal Antibody; MAEA Antibody; 1110030D19Rik; Cell proliferation inducing gene 5 protein; Cell proliferation-inducing gene 5 protein; EMLP; EMP; Erythroblast macrophage protein; GID complex subunit 9 FYV10 homolog; GID9; HLC 10; HLC-10; HLC10; Human lung cancer oncogene 10 protein; Lung cancer related protein 10; Macrophage erythroblast attacher; MAEA_HUMAN; MGC93683; PIG5; Proliferation inducing gene 5; anti-MAEA antibody

PRODUCT SPECIFICATIONS

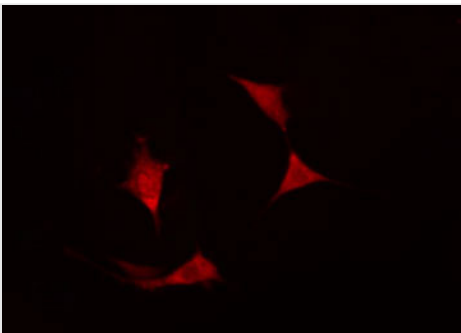
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAEA antibody detects endogenous levels of total MAEA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	396
Applicable Applications for anti-MAEA antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus Matrix. Cell Membrane. Cytoplasm, Cytoskeleton. Localized as nuclear speckled-like pattern.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO205 cells, using MAEA antibody.



IF (Immunofluorescence)

AAA324026 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAEA antibody	Function: Plays a role in erythroblast enucleation and in the development of the mature macrophages. Mediates the attachment of erythroid cell to mature macrophages, in correlation with the presence of MAEA at cell surface of mature macrophages; This MAEA-mediated contact inhibits erythroid cells apoptosis. Participates in erythroblastic island formation, which is the functional unit of definitive erythropoiesis. Associates with F-actin to regulate actin distribution in erythroblasts and macrophages. May contribute to nuclear architecture and cells division events. Subunit Structure: Forms a complex with F-actin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62953131
NCBI GeneID	10296
NCBI Accession #	NP_001017405.1
NCBI GenBank Nucleotide #	NM_001017405.2
UniProt Accession #	Q7L5Y9; O95285; Q5JB54; Q6ZRD6; Q9BQ11; Q9H9V6; Q9H9Z4; Q9NW84
Molecular Weight	Observed: 45 kD Predicted: 46 kDa
NCBI Official Full Name	E3 ubiquitin-protein transferase MAEA isoform 1
NCBI Official Synonym Full Names	macrophage erythroblast attacher
NCBI Official Symbol	MAEA
NCBI Official Synonym Symbols	EMP; EMLP; GID9; PIG5; HLC-10; P44EMLP
NCBI Protein Information	E3 ubiquitin-protein transferase MAEA; macrophage erythroblast attacher
UniProt Protein Name	E3 ubiquitin-protein transferase MAEA
UniProt Gene Name	MAEA
UniProt Synonym Gene Names	EMP2 PublicationsManual assertion based on opinion iniRef.4; HLC-10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.