ARG44134
anti-MAEA antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes MAEA
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MAEA
Species	Human
Immunogen	Human MAEA recombinant protein (Position: M1-E349).
Conjugation	Un-conjugated
Alternate Names	MAEA; Macrophage Erythroblast Attacher, E3 Ubiquitin Ligase; P44EMLP; HLC-10; EMP; GID9; Cell Proliferation-Inducing Gene 5 Protein; E3 Ubiquitin-Protein Transferase MAEA; Human Lung Cancer Oncogene 10 Protein; Erythroblast Macrophage Protein; GID Complex Subunit 9, FYV10 Homolog (S. Cerevisiae); GID Complex Subunit 9, FYV10 Homolog; Macrophage Erythroblast Attacher; Lung Cancer-Related Protein 10; EC 2.3.2.27; EMLP; PIG5

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
WB	0.25 - 0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

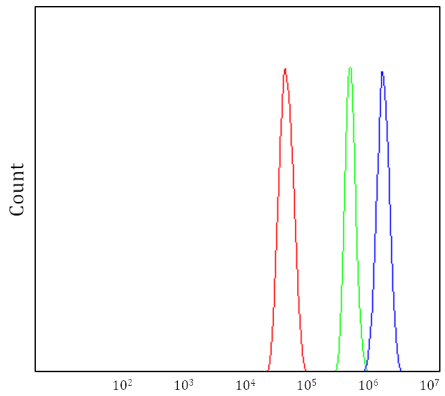
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

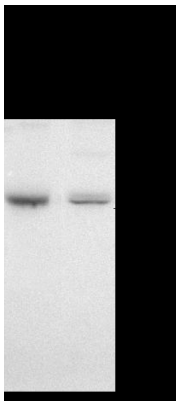
Gene Symbol	MAEA
Gene Full Name	Macrophage Erythroblast Attacher, E3 Ubiquitin Ligase
Background	This gene encodes a protein that mediates the attachment of erythroblasts to macrophages. This attachment promotes terminal maturation and enucleation of erythroblasts, presumably by suppressing apoptosis. The encoded protein is an integral membrane protein with the N-terminus on the extracellular side and the C-terminus on the cytoplasmic side of the cell. Alternative splicing results in multiple transcript variants.
Function	Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1. MAEA and RMND5A are both required for catalytic activity of the CTLH E3 ubiquitin-protein ligase complex.
Calculated Mw	45 kDa
PTM	Phosphoprotein, Ubl conjugation
Cellular Localization	Cell membrane, Cytoplasm, Cytoskeleton, Membrane, Nucleus

Images



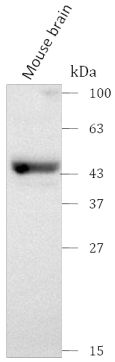
ARG44134 anti-MAEA antibody FACS image

Flow Cytometry: U251 stained with ARG44134 anti-MAEA antibody at 1 µg/10^6 cells dilution.



ARG44134 anti-MAEA antibody WB image

Western blot: Rat brain and PC-12 stained with ARG44134 anti-MAEA antibody at 0.5 µg/ml dilution.



ARG44134 anti-MAEA antibody WB image

Western blot: Mouse brain stained with ARG44134 anti-MAEA antibody at 0.5 µg/ml dilution.