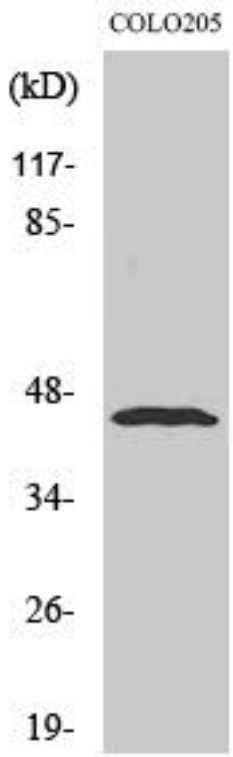
Emp Monoclonal Antibody

Catalog No	BYmab-03854
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MAEA
Protein Name	Macrophage erythroblast attacher
Immunogen	The antiserum was produced against synthesized peptide derived from human MAEA. AA range:181-230
Specificity	Emp Monoclonal Antibody detects endogenous levels of Emp protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MAEA; EMP; HLC10; PIG5; Macrophage erythroblast attacher; Cell proliferation-inducing gene 5 protein; Erythroblast macrophage protein; Human lung cancer oncogene 10 protein; HLC-10
Observed Band	45kD
Cell Pathway	Cytoplasm . Nucleus, nucleoplasm . Nucleus matrix . Cell membrane . Cytoplasm, cytoskeleton . Detected in a nuclear, speckled-like pattern (PubMed:16510120). Localized with condensed chromatin at prophase; Detected in nuclear spindle poles at metaphase and in the contractile ring during telophase and cytokinesis (PubMed:16510120). Present in cytoplasm, nuclear matrix and at the cell surface in macrophages; predominantly nuclear in immature macrophages and predominantly detected at the cell surface in mature macrophages. Colocalizes with F-actin in macrophages (By similarity). .
Tissue Specificity	Detected at macrophage membranes (at protein level). Ubiquitous.
Function	developmental stage:Localized with condensed chromatin at prophase; Detected in nuclear spindle poles at metaphase and in the contractile ring during telophase and cytokinesis.,function:Play 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 to 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.,similarity:Contains 1 CTLH domain.,similarity:Contains 1 LisH domain.,subcellular location:Localized as nuclear speckled-like pattern.,subunit:Form a com
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. [provided by RefSeq, Jul 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Emp Monoclonal Antibody