

## EMAP II Rabbit mAb

Catalog No: #52265

Package Size: #52265-1 50ul #52265-2 100ul

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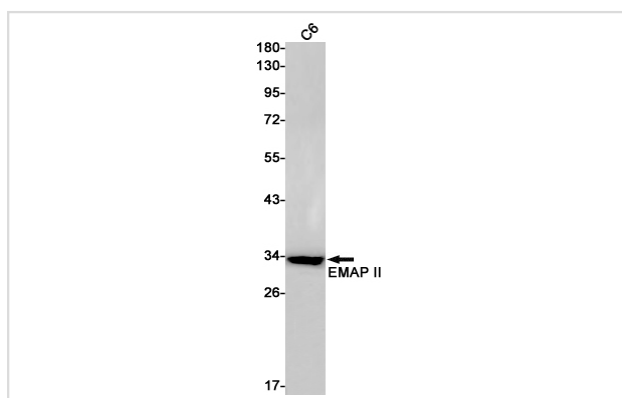
## Description

Product Name	EMAP II Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-5A9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human EMAP II
Conjugates	Unconjugated
Modification	Unmodification
Other Names	p43; HLD3; EMAP2; SCYE1; EMAPII; AIMP1
Accession No.	Swiss-Prot:Q12904GeneID:9255
Uniprot	Q12904
GeneID	9255
Calculated MW	Calculated MW: 34 kDa; Observed MW: 34 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

WB: 1/1000

## Images



Western blot detection of EMAP II in C6 cell lysates using EMAP II Rabbit mAb(1:1000 diluted).Predicted band size:34kDa.Observed band size:34kDa.

## Background

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Swiss-Prot Acc.Q12904.Non-catalytic component of the multisynthase complex. Stimulates the catalytic activity of cytoplasmic arginyl-tRNA synthase. Binds tRNA. Possesses inflammatory cytokine activity. Negatively regulates TGF-beta signaling through stabilization of SMURF2 by binding to SMURF2 and inhibiting its SMAD7-mediated degradation. Involved in glucose homeostasis through induction of glucagon secretion at low glucose levels. Promotes dermal fibroblast proliferation and wound repair. Regulates KDELR1-mediated retention of HSP90B1/gp96 in the endoplasmic reticulum. Plays a role in angiogenesis by inducing endothelial cell migration at low concentrations and endothelial cell apoptosis at high concentrations. Induces maturation of dendritic cells and monocyte cell adhesion. Modulates endothelial cell responses by degrading HIF-1A through interaction with PSMA7.

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Note: This product is for in vitro research use only