
Product Name: EMAP II Rabbit Polyclonal Antibody**Catalog #: APRab10432**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	34kDa

Antigen Information

Gene Name	AIMP1
Alternative Names	AIMP1; EMAP2; SCYE1; Aminoacyl tRNA synthase complex-interacting multifunctional protein 1; Multisynthase complex auxiliary component p43
Gene ID	9255.0
SwissProt ID	Q12904
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human AIMP1. AA range:91-140

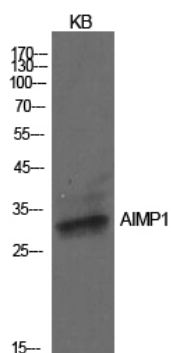
Background

The protein encoded by this gene is a cytokine that is specifically induced by apoptosis, and it is involved in the control of angiogenesis, inflammation, and wound healing. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor protein is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex, and it modulates aminoacylation activity of tRNA synthetase in normal cells. This protein is also involved in the stimulation of inflammatory responses after proteolytic cleavage in tumor cells. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene has been identified on chromosome 20. [provided by RefSeq, Dec 2008],angiogenesis,blood vessel development,regulation of endothelial cell proliferation,negative regulation of endothelial cell proliferation,vasculature development,monosaccharide metabolic process,glucose metabolic process,tRNA metabolic process,translation,tRNA aminoacylation for protein translation,apoptosis,cell motion,chemotaxis,defense response,inflammatory response,cell adhesion,cell-cell signaling,behavior,locomotory behavior,cell death,negative regulation of cell proliferation,response to wounding,programmed cell death,death,cell migration,hexose metabolic process,biological adhesion,ncRNA metabolic process,regulation of cell proliferation,taxis,amino acid activation,tRNA aminoacylation,blood vessel morphogenesis,cell motility,leukocyte migration,localization of cell,

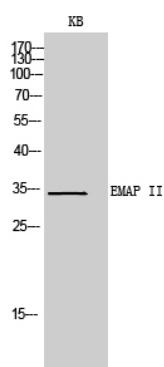
Research Area

Cell Biology

Image Data



Western Blot analysis of KB cells using EMAP II Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Western Blot analysis of KB cells using EMAP II Polyclonal Antibody. Secondary antibody was diluted at 1:20000