Product name:	EMAP II Rabbit Polyclonal Antibody
Cat number:	ABN10432
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from the Internal region of human AIMP1. AA range:91-140
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight:	34kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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,