

**EMAP II rabbit pAb****Cat#: orb767245 (Manual)**

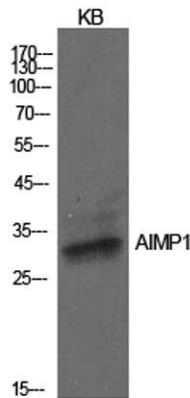
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<b>Product Name</b>	EMAP II rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human AIMP1. AA range:91-140
<b>Specificity</b>	EMAP II Polyclonal Antibody detects endogenous levels of EMAP II protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1
<b>Gene Name</b>	AIMP1
<b>Cellular localization</b>	Nucleus . Cytoplasm, cytosol . Secreted . Endoplasmic reticulum . Golgi apparatus . Enriched in secretory vesicles of pancreatic alpha cells and secreted from the pancreas in response to low glucose levels (By similarity). Secreted in response to hypoxia
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

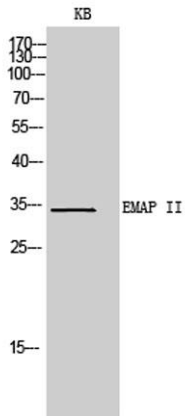
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	34kD
<b>Human Gene ID</b>	9255
<b>Human Swiss-Prot Number</b>	Q12904
<b>Alternative Names</b>	AIMP1; EMAP2; SCYE1; Aminoacyl tRNA synthase complex-interacting multifunctional protein 1; Multisynthase complex auxiliary component p43

**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],



**Western Blot analysis of KB cells using EMAP II Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**



**Western Blot analysis of KB cells using EMAP II Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**