

Product datasheet for **TA326669**

EMAP II (AIMP1) Rabbit Polyclonal Antibody

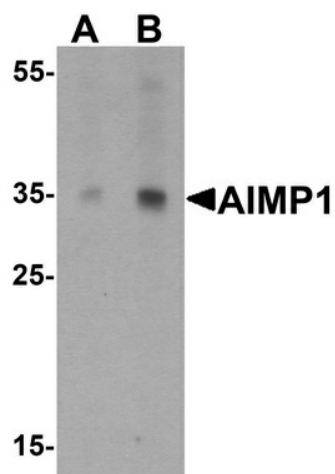
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	AIMP1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human AIMP1.
Formulation:	AIMP1 antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	AIMP1 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 37 kDa; Observed: 35 kDa
Gene Name:	aminoacyl tRNA synthetase complex interacting multifunctional protein 1
Database Link:	NP_001135888 Entrez Gene 9255 Human Q12904
Background:	AIMP1 (Endothelial monocyte-activating polypeptide II, EMAP2) is a proinflammatory cytokine for monocytes and granulocytes (1). It is specifically induced by apoptosis and is involved in the control of angiogenesis, inflammation, and wound healing (1,2). AIMP1 was identified as one of three auxiliary factors of the mammalian aminoacyl tRNA synthetase (ARS) complex. It binds and facilitates the catalytic reaction of arginyl-tRNA synthetase (2,3). Recent studies show that CD23 plays an essential role in the AIMP1-induced immune response and might be a target in the treatment of inflammatory diseases (4).
Synonyms:	EMAP2; EMAPII; HLD3; p43; SCYE1

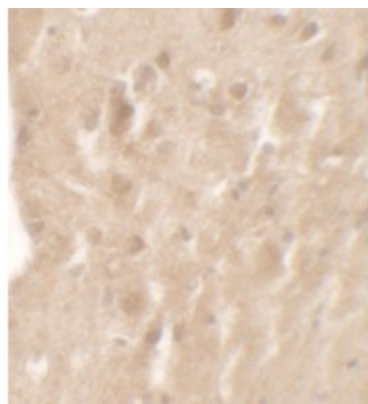


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Product images:



Western blot analysis of AIMP1 in rat brain tissue lysate with AIMP1 antibody at (A) 0.5 and (B) 1 ug/ml.



Immunohistochemistry of AIMP1 in mouse brain tissue with AIMP1 antibody at 5 ug/mL.