

## Product datasheet for **TA383689M**

### EMAP II (AIMP1) Rabbit Monoclonal Antibody [Clone ID: R01-5A9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	R01-5A9
Applications:	WB
Recommended Dilution:	WB: 1/1000
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human EMAP II
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 34 kDa; Observed MW: 34 kDa
Gene Name:	aminoacyl tRNA synthetase complex interacting multifunctional protein 1
Database Link:	<a href="#">Entrez Gene 9255 Human Q12904</a>

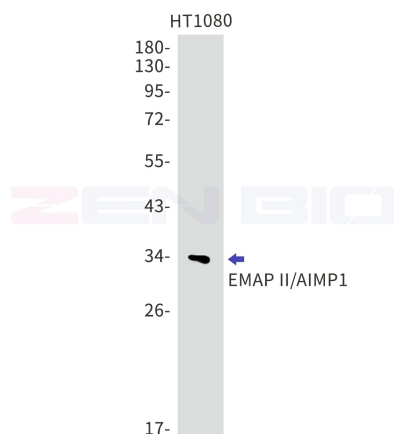
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**Background:**

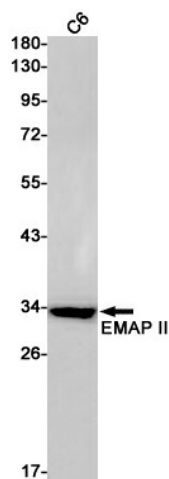
Swiss-Prot Acc.Q12904.Non-catalytic component of the multisynthase complex. Stimulates the catalytic activity of cytoplasmic arginyl-tRNA synthase. Binds tRNA. Possesses inflammatory cytokine activity. Negatively regulates TGF-beta signaling through stabilization of SMURF2 by binding to SMURF2 and inhibiting 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.

**Synonyms:**

EMAP-2; EMAP2; EMAPII; p43; SCYE1

**Product images:**


Western blot detection of EMAP II/AIMP1 in HT1080 lysates using EMAP II/AIMP1 antibody. Predicted band size: 34 kDa. Observed band size: 34 kDa.



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