

# EMAP II Rabbit mAb

Catalog # AP75397

## Product Information

Application	WB
Primary Accession	<a href="#">Q12904</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	34353

## Additional Information

Gene ID	9255
Other Names	AIMP1
Dilution	WB~~1/500-1/1000
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

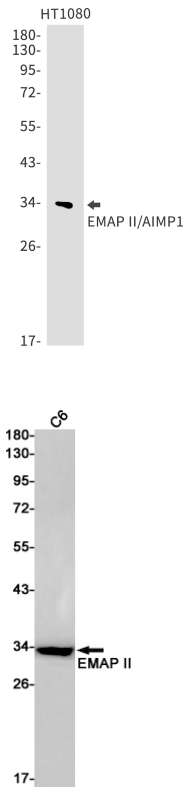
## Protein Information

Name	AIMP1
Synonyms	EMAP2, SCYE1
Function	<p>Non-catalytic component of the multisynthase complex. Stimulates the catalytic activity of cytoplasmic arginyl-tRNA synthase (PubMed:<a href="#">10358004</a>). Binds tRNA. Possesses inflammatory cytokine activity (PubMed:<a href="#">11306575</a>). Negatively regulates TGF-beta signaling through stabilization of SMURF2 by binding to SMURF2 and inhibiting its SMAD7- mediated degradation (By similarity). Involved in glucose homeostasis through induction of glucagon secretion at low glucose levels (By similarity). Promotes dermal fibroblast proliferation and wound repair (PubMed:<a href="#">16472771</a>). Regulates KDELR1-mediated retention of HSP90B1/gp96 in the endoplasmic reticulum (By similarity). Plays a role in angiogenesis by inducing endothelial cell migration at low concentrations and endothelial cell apoptosis at high concentrations (PubMed:<a href="#">12237313</a>). Induces maturation of dendritic cells and monocyte cell adhesion (PubMed:<a href="#">11818442</a>). Modulates endothelial cell responses by degrading HIF-1A through interaction with PSMA7 (PubMed:<a href="#">19362550</a>).</p>
Cellular Location	<p>Nucleus. Cytoplasm, cytosol. Secreted. Endoplasmic reticulum {ECO:0000250 UniProtKB:P31230}. Golgi apparatus {ECO:0000250 UniProtKB:P31230}. Note=Enriched in secretory vesicles of</p>

pancreatic alpha cells and secreted from the pancreas in response to low glucose levels (By similarity). Secreted in response to hypoxia (PubMed:10850427). Also secreted in response to both apoptotic and necrotic cell death. {ECO:0000250 | UniProtKB:P31230, ECO:0000269 | PubMed:10850427}

## Images

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