

## Product datasheet for **TA308323**

### EMAP II (AIMP1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 263 of AIMP1 (Uniprot ID#Q12904)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34 kDa
Gene Name:	aminoacyl tRNA synthetase complex interacting multifunctional protein 1
Database Link:	<a href="#">NP_004748</a> <a href="#">Entrez Gene 9255 Human</a> <a href="#">Q12904</a>



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**Background:**

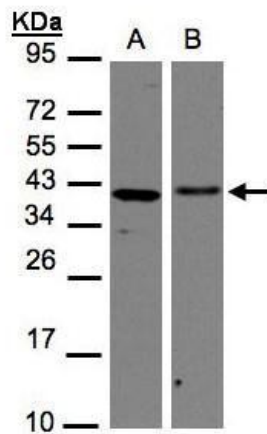
The protein encoded by this gene is a cytokine that is specifically induced by apoptosis, and it is involved in the control of angiogenesis, inflammation, and wound healing. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor protein 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]

**Synonyms:**

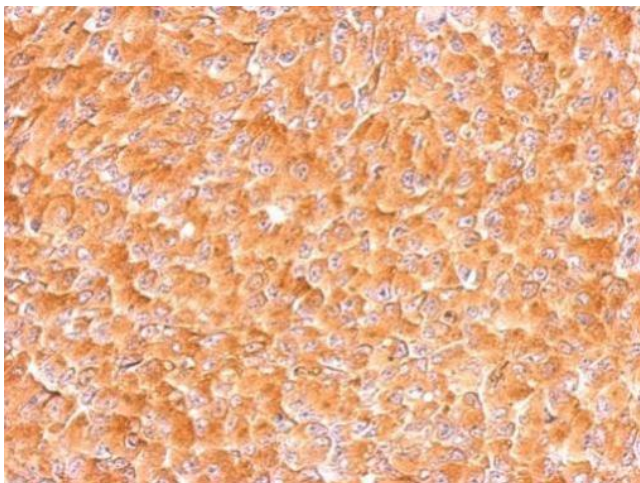
EMAP2; EMAPII; HLD3; p43; SCYE1

**Protein Families:**

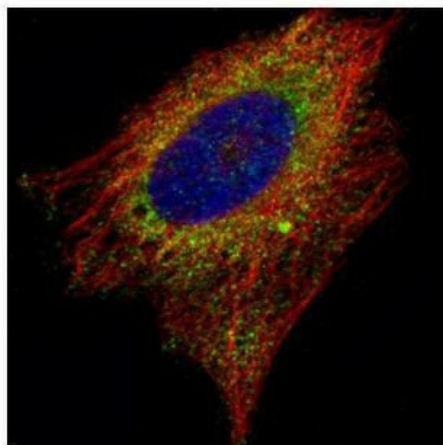
Druggable Genome

**Product images:**


Sample (30 ug of whole cell lysate). A:H1299.  
B:Hep G2. 12% SDS PAGE. TA308323 diluted at 1:1000



AIMP1 antibody detects SCYE1 protein at cytosol on H1299 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded H1299 xenograft. AIMP1 antibody (TA308323) dilution: 1:500.



Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using AIMP1 (TA308323) antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with anti-alpha tubulin antibody (Red) at 1:2000.