

Rabbit MCA1 Polyclonal Antibody | anti-AIMP1 antibody

MCA1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289944	Rabbit	Human (Predicted Reactivity: Hamster, Mouse)	Immunohistochemistry, ELISA, Western Blot

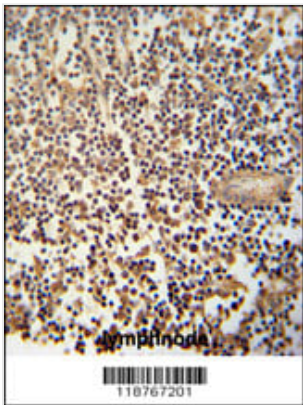
PRODUCT SYNONYMS

MCA1; Polyclonal Antibody; MCA1 Antibody (C-term); Aminoacyl tRNA synthase complex-interacting multifunctional protein 1; Multisynthase complex auxiliary component p43; Endothelial monocyte-activating polypeptide 2; EMAP-2; Endothelial monocyte-activating polypeptide II; EMAP-II; Small inducible cytokine subfamily E member 1; AIMP1; EMAP2; SCYE1; anti-AIMP1 antibody

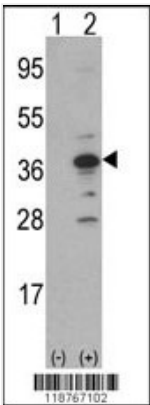
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MCA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-268 amino acids from the C-terminal region of human MCA1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	242-268
Sequence Length	336
Applicable Applications for anti-AIMP1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

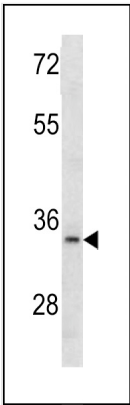
IMAGES



IHC (Immunohistochemisry)
MCA1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lymphnode followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MCA1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of MCA1 (arrow) using rabbit polyclonal MCA1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MCA1 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of MCA1 antibody (C-term) in 293 cell line lysates (35ug/lane). MCA1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-AIMP1 antibody	MCA1 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.
Product Categories/Family for anti-AIMP1 antibody	Cancer; Cardiovascular; Cell Biology; Immunology
References	Awasthi,N., Lab. Invest. 89 (1), 38-46 (2009) Sen,E., Clin Lung Cancer 9 (3), 166-170 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	215490009
NCBI GeneID	9255
NCBI Accession #	NP_001135887.1; NP_001135888.1; NP_004748.2
NCBI GenBank Nucleotide #	NM_001142415.1
UniProt Accession #	Q12904; Q6FG28; Q96CQ9; B3KTR2; B4E1S7

Molecular Weight	34353
NCBI Official Full Name	aminoacyl tRNA synthase complex-interacting multifunctional protein 1 isoform a
NCBI Official Synonym Full Names	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
NCBI Official Symbol	AIMP1
NCBI Official Synonym Symbols	p43; HLD3; EMAP2; SCYE1; EMAPII
NCBI Protein Information	aminoacyl tRNA synthase complex-interacting multifunctional protein 1
UniProt Protein Name	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1
UniProt Gene Name	AIMP1
UniProt Synonym Gene Names	EMAP2; SCYE1; EMAP-2; EMAP-II
UniProt Entry Name	AIMP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mca1-antibody-immunohistochemistry-western-blot-elisa/289944>