

Rabbit SCYE1 Polyclonal Antibody | anti-AIMP1 antibody

SCYE1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198701	Rabbit	Tested Species Reactivity: Human; Predicted Species Reactivity Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish	Western Blot

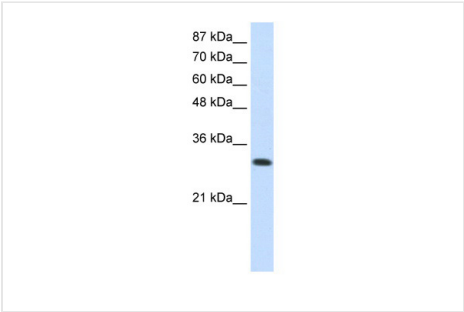
PRODUCT SYNONYMS

SCYE1; Polyclonal Antibody; SCYE1 antibody - N-terminal region; anti-AIMP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human; Predicted Species Reactivity Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5mg/mL (varies by lot)
Sequence	Synthetic peptide with the following region: LL KEKAILQATL REEKKL RVEN AKLKKEIEEL KQELIQAEIQ NGVKQIPF
Sequence Length	312
Applicable Applications for anti-AIMP1 antibody	WB (Western Blot)
Protein Size (#AA)	312 amino acids
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SCYE1
Blocking Peptide	For anti-AIMP1 antibody is Catalog #
Protein Interactions	AIMP2; TSNAX; UBC; CCAR2; RPL36; EEF1E1; IQGAP1; VARS; RPLP0; RPL27A; RPL23A; RPL21; RPL17; RPL15; RPL13; RPL7A; RARS; QARS; PTBP1; PSMC6; MARS; KARS; IARS; DNAJA1; EIF4G1; EIF2S3; EIF2S1; DARS; PAN2; gag; HSP90B1; MAPK8; LARS; EPRS; APP; COPPS5; CUL1; PSM
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-SCYE1 Antibody Titration: 0.2-1 ug/mlPositive Control: Jurkat cell lysateAIMP1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

ADDITIONAL INFORMATION

Related Product Information for anti-AIMP1 antibody	Target Description: SCYE1 is a cytokine that is specifically induced by apoptosis. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor of SCYE1 (pro-SCYE1) is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex. Therefore, pro-SCYE1 may function in binding RNA as part of the tRNA synthetase complex in normal cells and in stimulating inflammatory responses after proteolytic cleavage in tumor cells.The protein encoded by this gene is a cytokine that is specifically induced by apoptosis. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor of SCYE1 (pro-SCYE1) is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex. Therefore, pro-SCYE1 may function in binding RNA as part of the tRNA synthetase complex in normal cells and in stimulating inflammatory responses after proteolytic cleavage in tumor cells.
Product Categories/Family for anti-AIMP1 antibody	Polyclonal ; RNA Binding Proteins ; Lymphocyte Signaling ; Drugs and Drug Metabolism ; Apoptosis ; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	45006986
NCBI GeneID	9255
NCBI Accession #	NP_004748
NCBI GenBank Nucleotide #	NM_004757
UniProt Accession #	Q12904
Molecular Weight	34kDa
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://www.aaabiotech.com/polyclonal/scye1-antibody-western-blot-elisa/198701>