

Datasheet for ABIN2778912

anti-AIMP1 antibody (N-Term)**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	AIMP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIMP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SCYE1
Sequence:	LLKEKAILQA TLREEKRLRV ENAKLKKEIE ELKQELIQAE IQNGVKQIPF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against SCYE1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	AIMP1
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Target Details

Alternative Name:	SCYE1 (AIMP1 Products)
Background:	<p>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.</p> <p>Alias Symbols: p43, HLD3, EMAP2, SCYE1, EMAPII</p> <p>Protein Interaction Partner: 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, COPS5, CUL1, PSM</p> <p>Protein Size: 312</p>
Molecular Weight:	34 kDa
Gene ID:	9255
NCBI Accession:	NM_004757 , NP_004748
UniProt:	Q12904

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 312 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: Diagnostic microbiology and infectious disease , Vol. 55, Issue 1, pp. 55-8, (2006) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-SCYE1 Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate AIMP1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells