antibodies .- online.com







anti-AIMP1 antibody (N-Term)





Publication



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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 TLREEKKLRV 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

Target Details

Alternative Name:	SCYE1 (AIMP1 Products)		
Background:	SCYE1 is a cytokine that is specifically induced by apoptosis. The release of this cytokine		
zaonground.	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.		
	Alias Symbols: p43, HLD3, EMAP2, SCYE1, EMAPII 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 Protein Size: 312		
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

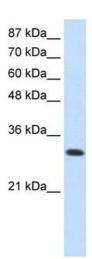
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1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

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