ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-AIMP1 / SCYE1 Antibody

Item Number	dAP-2659
Target Molecule	Principle Name: AIMP1 / SCYE1; Official Symbol: AIMP1; All Names and Symbols: AIMP1; aminoacyl tRNA synthetase complex-interacting multifunctional protein 1; EMAP2; EMAPII; HLD3; SCYE1; p43; ARS-interacting multifunctional protein 1; OTTHUMP00000161877; OTTHUMP00000161878; OTTHUMP00000219673; aminoacyl tRNA synthase complex-interac; Accession Number (s): NP_004748.2; NP_001135888.1; Human Gene ID(s): 9255; Non-Human GeneID(s): 13722 (mouse) 114632 (rat)
Immunogen	NNDAVLKRLEQK, is from N Terminus This antibody is expected to recognize both reported isoforms (NP_004748.2; NP_001135888.1). Reported variants represent identical protein: NP_004748.2, NP_001135887.1
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 37kDa band observed in lysates of cell lines HeLa and Jurkat, and in lysates of Mouse and Rat Spleen (calculated MW of 37kDa according to NP_001135887.1). Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Kim SS, Hur SY, Kim YR, Yoo NJ, Lee SH. Expression of AIMP1, 2 and 3, the scaffolds for the multi-tRNA synthetase complex, is downregulated in gastric and colorectal cancer. Tumori. 2011 May-Jun;97(3):380-5..PMID: 21789020->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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