

Rabbit AIMP3/p18 Polyclonal Antibody | anti-EEF1E1 antibody

AIMP3/p18 Antibody

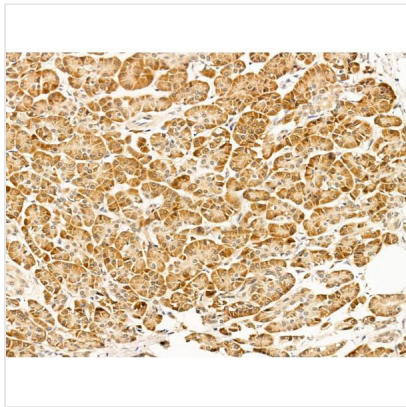
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329138	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Rabbit(100%), Dog(100%), Chicken(86%)	ELISA

PRODUCT SYNONYMS

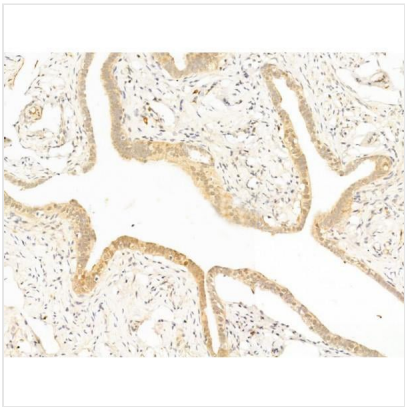
AIMP3/p18; Polyclonal Antibody; AIMP3/p18 Antibody; AIMP 3; AIMP3; Aminoacyl tRNA synthetase complex interacting multifunctional protein 3; Aminoacyl tRNA synthetase complex-interacting multifunctional protein 3; ARS interacting multifunctional protein 3; EEF1E1; Elongation factor p18; Eukaryotic translation elongation factor 1 epsilon 1; Eukaryotic translation elongation factor 1 epsilon-1; Homolog of rat elongation factor p18; MCA3_HUMAN; Multisynthase complex auxiliary component p18; Multisynthetase complex auxiliary component p18; p18; p18 component of aminoacyl tRNA synthetase complex; anti-EEF1E1 antibody

PRODUCT SPECIFICATIONS

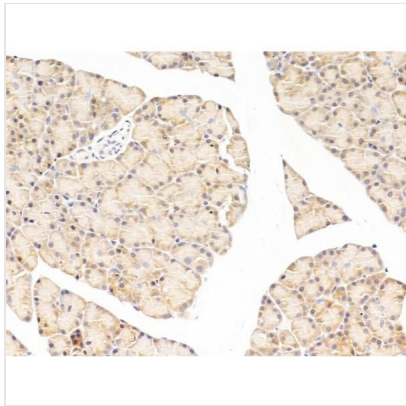
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Rabbit(100%), Dog(100%), Chicken(86%)
Clonality	Polyclonal
Isotype	IgG
Specificity	AIMP3/p18 Antibody detects endogenous levels of total AIMP3/p18.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	174
Applicable Applications for anti-EEF1E1 antibody	ELISA
Immunogen	A synthesized peptide derived from human AIMP3/p18, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



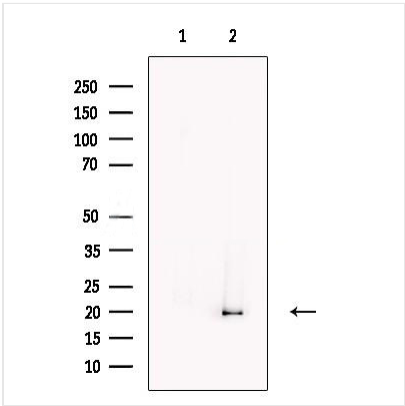
IHC (Immunohistochemistry)
AAA329138 at 1/100 staining Human pancreatic cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329138 at 1/100 staining Human ovarian cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329138 at 1/100 staining Rat stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HEK293, using AIMP3/p18 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-EEF1E1 antibody	Function: Positive modulator of ATM response to DNA damage.
	Subcellular Location: Cytoplasm. Cytoplasm>Cytosol. Nucleus. Note: Cytoplasmic under growth arrest conditions. Translocated into the nucleus when growth resumes (S phase) and following DNA damage.
	Tissue Specificity: Down-regulated in various cancer tissues.
	Subunit Structure: Part of a multisubunit complex that groups tRNA ligases for Arg (RARS1), Asp (DARS1), Gln (QARS1), Ile (IARS1), Leu (LARS1), Lys (KARS1), Met (MARS1) the bifunctional ligase for Glu and Pro (EPRS1) and the auxiliary subunits AIMP1/p43, AIMP2/p38 and EEF1E1/p18 (PubMed:19131329, PubMed:19289464). Can interact simultaneously with MARS1 and EPRS1 (PubMed:26472928). Forms a linear complex that contains MARS1, EEF1E1, EPRS1 and AIMP2 that is at the core of the multisubunit complex (PubMed:26472928). Interacts with ATM and ATR. The interaction with ATM, which takes place independently of TP53, is induced by DNA damage that may occur during genotoxic stress or cell growth. The interaction with ATR is enhanced by UV irradiation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17378996
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NCBI GeneID	9521
UniProt Accession #	O43324
Molecular Weight	Observed Molecular Weight: (Observed)19kD. Predicted Molecular Weight: (Calculated)20kDa.
NCBI Official Full Name	Eukaryotic translation elongation factor 1 epsilon-1
NCBI Official Synonym Full Names	eukaryotic translation elongation factor 1 epsilon 1
NCBI Official Symbol	EEF1E1
NCBI Official Synonym Symbols	P18; AIMP3
NCBI Protein Information	eukaryotic translation elongation factor 1 epsilon-1
UniProt Protein Name	Eukaryotic translation elongation factor 1 epsilon-1
UniProt Gene Name	EEF1E1
UniProt Synonym Gene Names	AIMP3; P18
UniProt Entry Name	MCA3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/aimp3-p18-antibody-elisa/329138>