

Rabbit AMPD2 Polyclonal Antibody | anti-AMPD2 antibody

AMPD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324445	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

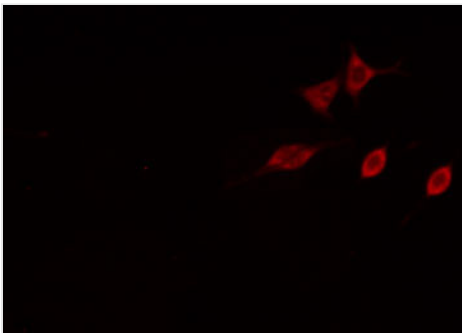
PRODUCT SYNONYMS

AMPD2; Polyclonal Antibody; AMPD2 Antibody; Adenosine monophosphate deaminase 2 (isoform L); Adenosine monophosphate deaminase 2; adenosine monophosphate deaminase 2 isoform L; AMP deaminase 2; AMP deaminase isoform L; AMPD 2; AMPD; AMPD2_HUMAN; RP5-1160K1.5; SPG63; anti-AMPD2 antibody

PRODUCT SPECIFICATIONS

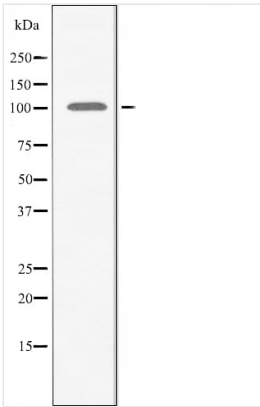
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AMPD2 antibody detects endogenous levels of total AMPD2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	879
Applicable Applications for anti-AMPD2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Highly expressed in cerebellum.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324445 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using AMPD2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AMPD2 antibody

Function: AMP deaminase plays a critical role in energy metabolism. Catalyzes the deamination of AMP to IMP and plays an important role in the purine nucleotide cycle.
Subunit Structure: Homotetramer.
Similarity: Belongs to the metallo-dependent hydrolases superfamily. Adenosine and AMP deaminases family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	383209658
NCBI GeneID	271
NCBI Accession #	NP_001244289.1
NCBI GenBank Nucleotide #	NM_001257360.1
UniProt Accession #	Q01433; Q14856; Q14857; Q16686; Q16687; Q16688; Q16729; Q5T693; Q5T695; B4DK50; B4DZI5; E9PNG0
Molecular Weight	Observed: 100 kD Predicted: 101 kDa
NCBI Official Full Name	AMP deaminase 2 isoform 1
NCBI Official Synonym Full Names	adenosine monophosphate deaminase 2
NCBI Official Symbol	AMPD2
NCBI Official Synonym Symbols	PCH9; SPG63
NCBI Protein Information	AMP deaminase 2
UniProt Protein Name	AMP deaminase 2
UniProt Gene Name	AMPD2

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.