Product Name: AMPD2 Rabbit Polyclonal Antibody
Catalog #: APRab06835
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:10000
Molecular Weight	100kDa

Antigen Information

Gene Name	AMPD2
Alternative Names	AMPD2; AMP deaminase 2; AMP deaminase isoform L
Gene ID	271.0
SwissProt ID	Q01433
Immunogen	The antiserum was produced against synthesized peptide derived from human AMPD2. AA range:131-180

Background

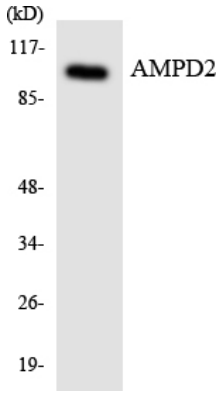
The protein encoded by this gene is important in purine metabolism by converting AMP to IMP. The encoded protein, which

acts as a homotetramer, is one of three AMP deaminases found in mammals. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012],catalytic activity:AMP + H(2)O = IMP + NH(3).,function:AMP deaminase plays a critical role in energy metabolism.,pathway:Purine metabolism; IMP biosynthesis via salvage pathway; IMP from AMP: step 1/1.,similarity:Belongs to the adenosine and AMP deaminases family.,subunit:Homotetramer.,tissue specificity:Three isoforms are present in mammals: AMP deaminase 1 is the predominant form in skeletal muscle; AMP deaminase 2 predominates in smooth muscle, non-muscle tissue, embryonic muscle and undifferentiated myoblasts; AMP deaminase 3 is found in erythrocytes.,

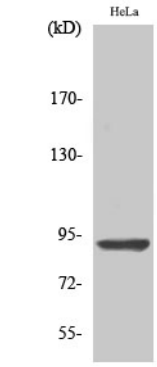
Research Area

Purine metabolism;

Image Data



Western blot analysis of the lysates from HeLa cells using AMPD2 antibody.



Western Blot analysis of various cells using AMPD2 Polyclonal Antibody