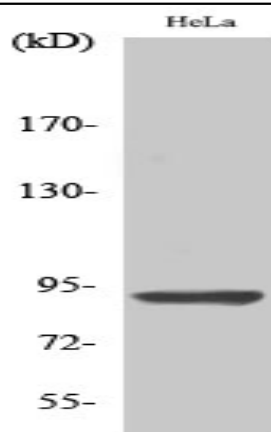


AMPD2 Polyclonal Antibody

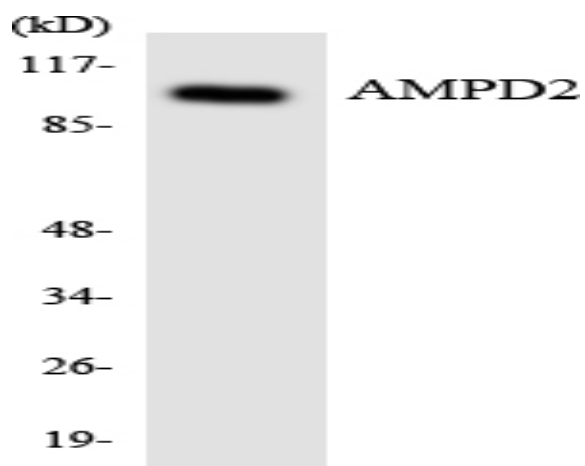
Catalog No :	YT0212
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	AMPD2
Fields :	>>Purine metabolism;>>Metabolic pathways;>>Nucleotide metabolism
Gene Name :	AMPD2
Protein Name :	AMP deaminase 2
Human Gene Id :	271
Human Swiss Prot No :	Q01433
Mouse Gene Id :	109674
Mouse Swiss Prot No :	Q9DBT5
Rat Gene Id :	362015
Rat Swiss Prot No :	Q02356
Immunogen :	The antiserum was produced against synthesized peptide derived from human AMPD2. AA range:131-180
Specificity :	AMPD2 Polyclonal Antibody detects endogenous levels of AMPD2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	100kD
Cell Pathway :	Purine metabolism;
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],
Function :	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.,
Subcellular Location :	cytosol,
Expression :	Highly expressed in cerebellum.
Tag :	hot
Sort :	1952
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western Blot analysis of various cells using AMPD2 Polyclonal Antibody



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