

**AMPD2 Polyclonal Antibody**

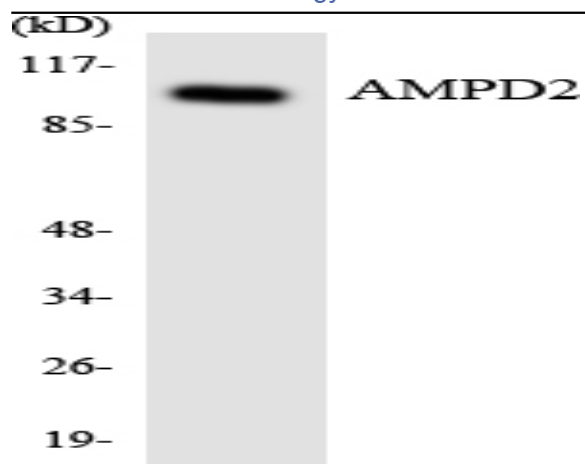
<b>Catalog No :</b>	YT0212
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	AMPD2
<b>Fields :</b>	>>Purine metabolism;>>Metabolic pathways;>>Nucleotide metabolism
<b>Gene Name :</b>	AMPD2
<b>Protein Name :</b>	AMP deaminase 2
<b>Human Gene Id :</b>	271
<b>Human Swiss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

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

## Products Images



Western Blot analysis of various cells using AMPD2 Polyclonal Antibody



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