Best Tools for immunology Research

# AMPD2 Polyclonal Antibody

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|---|---|
| **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;

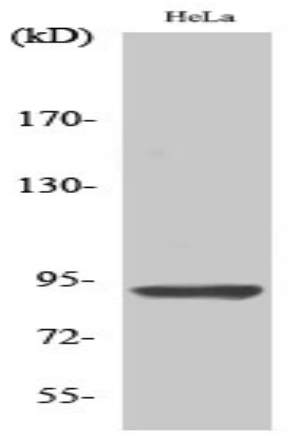
**Background :** The protein encoded by this gene is important in purine metabolism by converting AMP to IMP. The encoded protein, which acts as a homotetramer, is one of three AMP deaminases found in mammals. Several transcript variants encoding different isoforms have been found for this gene. [provided 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.,

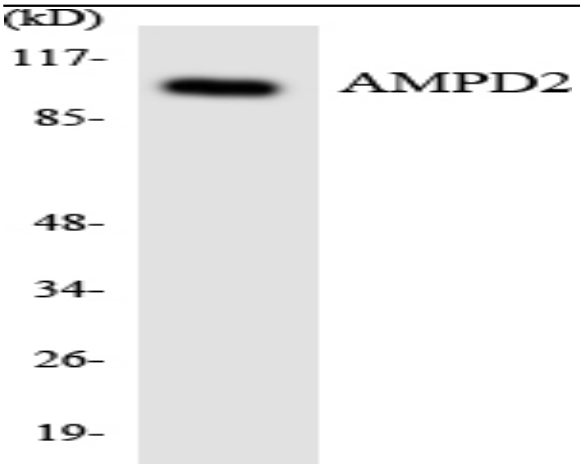
**Subcellular Location :** cytosol,

**Expression :** Highly expressed in cerebellum.

## Products Images




Western Blot analysis of various cells using AMPD2 Polyclonal Antibody




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