

## Product datasheet for **TA350850S**

### AMPD1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Human fetal muscle tissue, K562 and hela cells IHC: 100-300 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human AMPD1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	90 kDa
Gene Name:	adenosine monophosphate deaminase 1
Database Link:	<a href="#">NP_000027</a> <a href="#">Entrez Gene 270 Human</a> <a href="#">P23109</a>



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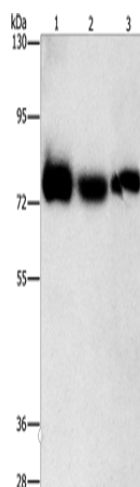
**Background:** Adenosine monophosphate deaminase 1 catalyzes the deamination of AMP to IMP in skeletal muscle and plays an important role in the purine nucleotide cycle. Two other genes have been identified, AMPD2 and AMPD3, for the liver- and erythrocyte-specific isoforms, respectively. Deficiency of the muscle-specific enzyme is apparently a common cause of exercise-induced myopathy and probably the most common cause of metabolic myopathy in the human. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.

**Synonyms:** MAD; MADA; MMDD

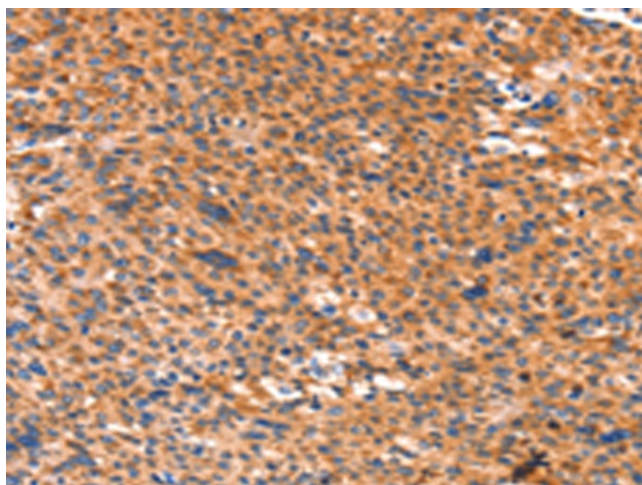
**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Purine metabolism

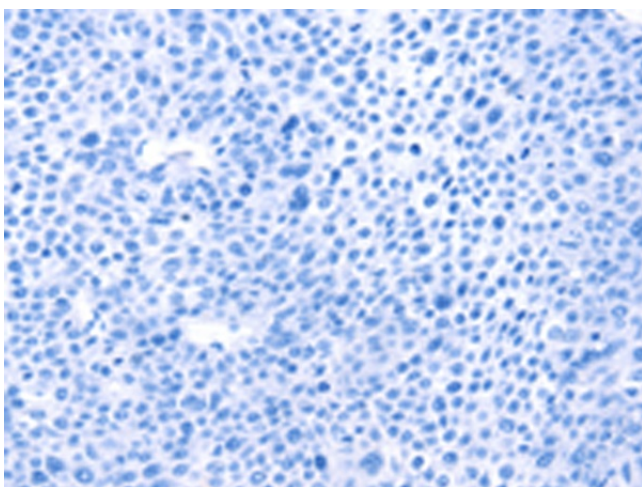
### Product images:



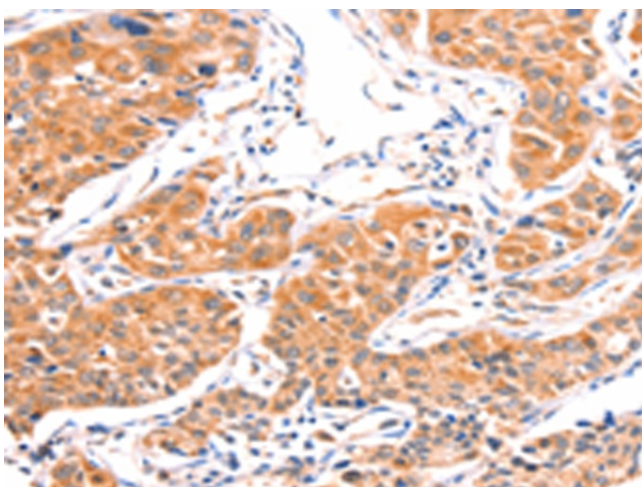
Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane 1-3: Human fetal muscle tissue  
K562 cells  
hela cells  
Primary antibody: [TA350850] (AMPD1 Antibody)  
at dilution 1/1600  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 3 seconds



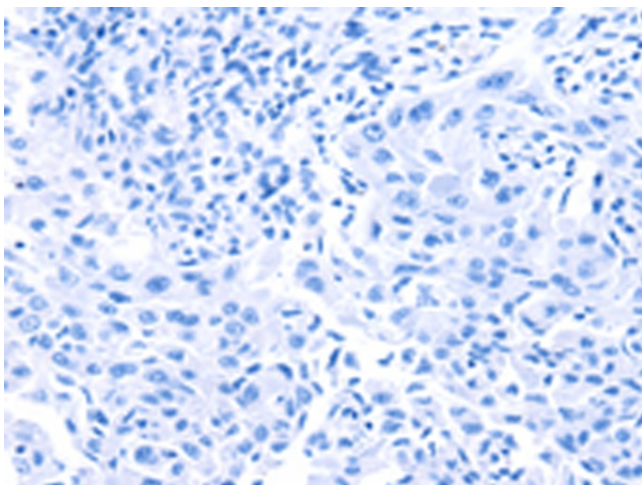
Immunohistochemistry of paraffin-embedded  
Human liver cancer tissue using [TA350850]  
(AMPD1 Antibody) at dilution 1/80 (Original  
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA350850] (AMPD1 Antibody) at dilution 1/80, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA350850] (AMPD1 Antibody) at dilution 1/80 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA350850] (AMPD1 Antibody) at dilution 1/80, treated with synthetic peptide. (Original magnification: ×200)