Anti-Human/Mouse/Rat AMPD2 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA03267

3th Edition

Description: 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.AMPD2 (Adenosine Monophosphate Deaminase 2) is a Protein Coding gene. Diseases associated with AMPD2 include Pontocerebellar Hypoplasia, Type 9 and Spastic Paraplegia 63. Among its related pathways are Purine metabolism (REACTOME) and Purine metabolism (KEGG). GO annotations related to this gene include deaminase activity and AMP deaminase activity. An important paralog of this gene is AMPD3.

Antigen: Synthesized peptide derived from the Internal region of human AMPD2

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

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.