

AP4A rabbit pAb

Catalog No :	YT6936
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	AP4A
Fields :	>>Purine metabolism;>>Pyrimidine metabolism;>>Metabolic pathways
Gene Name :	NUDT2 APAH1
Protein Name :	AP4A
Human Gene Id :	318
Human Swiss Prot No :	P50583
Mouse Gene Id :	66401
Mouse Swiss Prot No :	P56380
Rat Gene Id :	297998
Rat Swiss Prot No :	Q6PEC0
Immunogen :	Synthesized peptide derived from human AP4A AA range: 93-143
Specificity :	This antibody detects endogenous levels of AP4A at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1[?]500-2000
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)

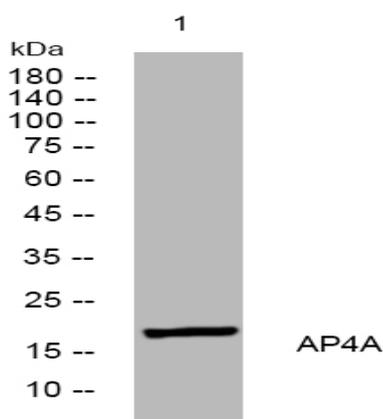
Molecularweight : 16kD

Background : This gene encodes a member of the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. The gene product possesses a modification of the MutT sequence motif found in certain nucleotide pyrophosphatases. The enzyme asymmetrically hydrolyzes Ap4A to yield AMP and ATP and is responsible for maintaining the intracellular level of the dinucleotide Ap4A, the function of which has yet to be established. This gene may be a candidate tumor suppressor gene. Alternative splicing has been observed at this locus and four transcript variants, all encoding the same protein, have been identified. [provided by RefSeq, Sep 2011],

Function : catalytic activity:P(1),P(4)-bis(5'-guanosyl) tetraphosphate + H(2)O = GTP + GMP.,cofactor:Divalent ions.,function:Asymmetrically hydrolyzes Ap4A to yield AMP and ATP. Plays a major role in maintaining homeostasis.,similarity:Belongs to the Nudix hydrolase family.,

Subcellular Location : mitochondrial matrix,

Products Images



Western blot analysis of lysates from VEC cells, primary antibody was diluted at 1:1000, 4° over night