

FAD1 rabbit pAb

Catalog No :	YT6889
Reactivity :	Human;Mouse
Applications :	WB
Target :	FAD1
Fields :	>>Riboflavin metabolism;>>Metabolic pathways;>>Biosynthesis of cofactors
Gene Name :	FLAD1 PP591
Protein Name :	FAD1
Human Gene Id :	80308
Human Swiss Prot No :	Q8NFF5
Mouse Gene Id :	319945
Mouse Swiss Prot No :	Q8R123
Immunogen :	Synthesized peptide derived from human FAD1 AA range: 480-530
Specificity :	This antibody detects endogenous levels of FAD1 at Human/Mouse
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)

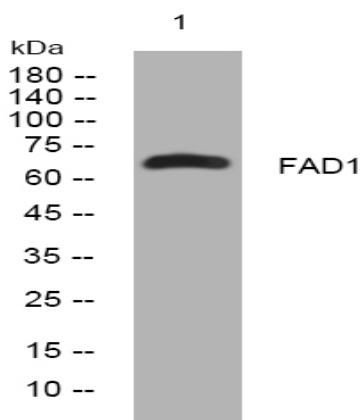
Molecularweight : 65kD

Background : This gene encodes the enzyme that catalyzes adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008],

Function : catalytic activity:ATP + FMN = diphosphate + FAD.,cofactor:Magnesium.,domain:The molybdenum cofactor biosynthesis protein-like region may not be functional.,function:Catalyzes the adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme.,pathway:Cofactor biosynthesis; FAD biosynthesis; FAD from FMN: step 1/1.,similarity:In the C-terminal section; belongs to the PAPS reductase family. FAD1 subfamily.,similarity:In the N-terminal section; belongs to the moaB/mog family.,

Subcellular Location : [Isoform 1]: Mitochondrion matrix .; [Isoform 2]: Cytoplasm.

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Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4° over night