

RIFK rabbit pAb

Catalog No :	YT7290
Reactivity :	Human;Mouse
Applications :	WB;ELISA;IHC
Target :	RIFK
Fields :	>>Riboflavin metabolism;>>Metabolic pathways;>>Biosynthesis of cofactors
Gene Name :	RFK
Protein Name :	RIFK
Human Gene Id :	55312
Human Swiss Prot No :	Q969G6
Mouse Gene Id :	54391
Mouse Swiss Prot No :	Q8CFV9
Immunogen :	Synthesized peptide derived from human RIFK AA range: 82-132
Specificity :	This antibody detects endogenous levels of RIFK 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;IHC 1:50-300; ELISA 2000-20000
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 : 17kD

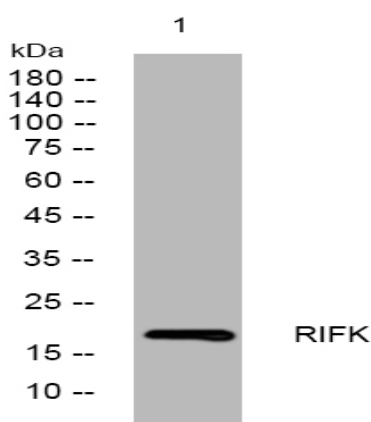
Background : Riboflavin kinase (RFK; EC 2.7.1.26) is an essential enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin mononucleotide (FMN), an obligatory step in vitamin B2 utilization and flavin cofactor synthesis (Karthikeyan et al., 2003 [PubMed 12623014]).[supplied by OMIM, Nov 2009],

Function : catalytic activity:ATP + riboflavin = ADP + FMN.,cofactor:Zinc or magnesium.,function:Catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin-mononucleotide (FMN)。，pathway:Cofactor biosynthesis; FMN biosynthesis; FMN from riboflavin (ATP route): step 1/1.,subunit:Monomer.,tissue specificity:Detected in brain, placenta and urinary bladder.,

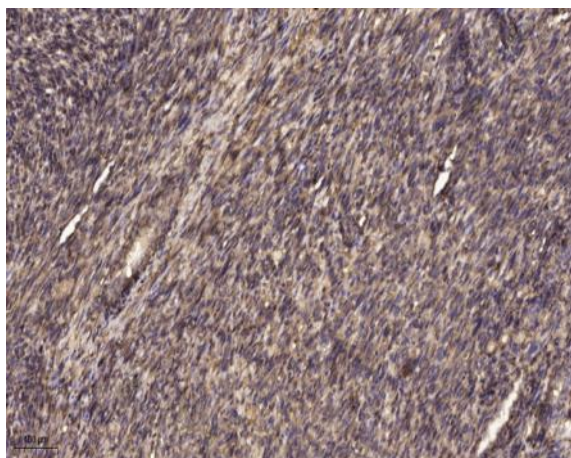
Subcellular Location : Cytoplasm .

Expression : Detected in brain, placenta and urinary bladder.

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human uterus. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).