

SYFM rabbit pAb

Catalog No :	YT7709
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	SYFM
Fields :	>>Aminoacyl-tRNA biosynthesis
Gene Name :	FARS2 FARS1 HSPC320
Protein Name :	SYFM
Human Gene Id :	10667
Human Swiss Prot No :	O95363
Mouse Gene Id :	69955
Mouse Swiss Prot No :	Q99M01
Rat Gene Id :	306879
Rat Swiss Prot No :	Q6AYQ3
Immunogen :	Synthesized peptide derived from human SYFM AA range: 294-344
Specificity :	This antibody detects endogenous levels of SYFM 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;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)

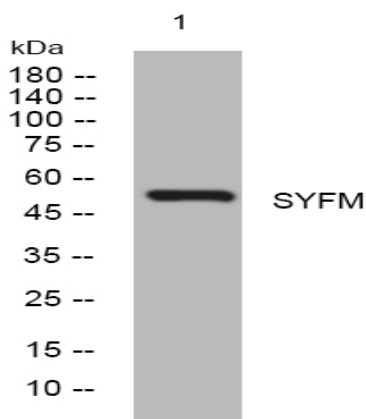
Molecularweight : 50kD

Background : This gene encodes a protein that transfers phenylalanine to its cognate tRNA. This protein localizes to the mitochondrion and plays a role in mitochondrial protein translation. Mutations in this gene can cause combined oxidative phosphorylation deficiency 14 (Alpers encephalopathy). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016],

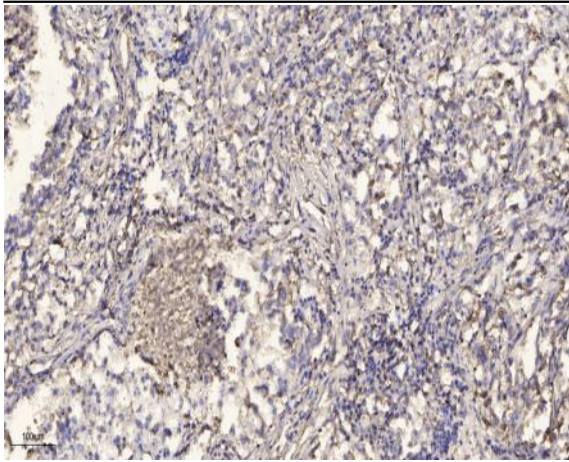
Function : catalytic activity:ATP + L-phenylalanine + tRNA(Phe) = AMP + diphosphate + L-phenylalanyl-tRNA(Phe).,similarity:Belongs to the class-II aminoacyl-tRNA synthetase family.,similarity:Contains 1 FDX-ACB domain.,subunit:Monomer.,

Subcellular Location : Mitochondrion matrix . Mitochondrion .

Products Images



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



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 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).