

EF-Tu Polyclonal Antibody

Catalog No :	YT1479
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	EF-Tu
Gene Name :	TUFM
Protein Name :	Elongation factor Tu mitochondrial
Human Gene Id :	7284
Human Swiss Prot No :	P49411
Mouse Gene Id :	233870
Mouse Swiss Prot No :	Q8BFR5
Rat Gene Id :	293481
Rat Swiss Prot No :	P85834
Immunogen :	The antiserum was produced against synthesized peptide derived from human TUFM. AA range:301-350
Specificity :	EF-Tu Polyclonal Antibody detects endogenous levels of EF-Tu protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
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)

Observed Band : 50kD

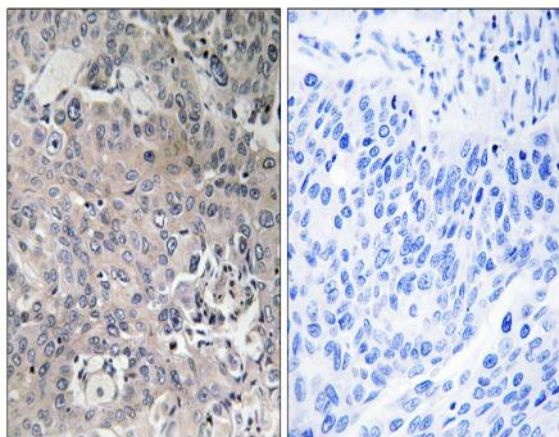
Background : This gene encodes a protein which participates in protein translation in mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency resulting in lactic acidosis and fatal encephalopathy. A pseudogene has been identified on chromosome 17. [provided by RefSeq, Jul 2008],

Function : disease:Defects in TUFM are the cause of combined oxidative phosphorylation deficiency type 4 (COXPD4) [MIM:610678]. COXPD4 is characterized by neonatal lactic acidosis, rapidly progressive encephalopathy, severely decreased mitochondrial protein synthesis, and combined deficiency of mtDNA-related mitochondrial respiratory chain complexes.,function:This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.,similarity:Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily.,

Subcellular Location : Mitochondrion .

Expression : Brain,Cajal-Retzius cell,Heart,Kidney,Liver,Lung,Placenta,P

Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TUFM Antibody. The picture on the right is blocked with the synthesized peptide.

Western Blot analysis of various cell lysis. Primary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS23920) was diluted at 1:10000

