



IF2M Polyclonal Antibody

Catalog No	YP-Ab-06317
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	MTIF2
Immunogen	Synthesized peptide derived from human protein . at AA range: 450-530
Specificity	IF2M Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IF2M;Translation initiation factor IF-2;mitochondrial;MTIF2;mitochondrial (IF-2(Mt)) (IF-2Mt) (IF2(mt))
Observed Band	81 kDa
Calculated Molecular Weight	81 kDa
Cell Pathway	Mitochondrion.
Tissue Specificity	Expressed in all tissues examined. Highest level in skeletal muscle.
Function	function:One of the essential components for the initiation of protein synthesis. Protects formylmethionyl-tRNA from spontaneous hydrolysis and promotes its binding to the 30S ribosomal subunits. Also involved in the hydrolysis of GTP during the formation of the 70S ribosomal complex.,similarity:Belongs to the IF-2 family.,subunit:Monomer.,tissue specificity:Expressed in all tissues examined. Highest level in skeletal muscle.,
Background	During the initiation of protein biosynthesis, initiation factor-2 (IF-2) promotes the binding of the initiator tRNA to the small subunit of the ribosome in a GTP-dependent manner. Prokaryotic IF-2 is a single polypeptide, while eukaryotic cytoplasmic IF-2 (eIF-2) is a trimeric protein. Bovine liver mitochondria contain IF-2(mt), an 85-kD monomeric protein that is equivalent to prokaryotic IF-2. The



predicted 727-amino acid human protein contains a 29-amino acid presequence. Human IF-2(mt) shares 32 to 38% amino acid sequence identity with yeast IF-2(mt) and several prokaryotic IF-2s, with the greatest degree of conservation in the G domains of the proteins. [provided by RefSeq, Mar 2016],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images