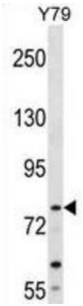
Mitochondrial Translational Initiation Factor 2 (MTIF2) Antibody

Catalogue No.:abx029179



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. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

Target:	Mitochondrial Translational Initiation Factor 2 (MTIF2)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 138-167 amino acids from the N-terminal region of human MTIF2.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

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UniProt Primary AC:	P46199 (UniProt, ExPASy)
KEGG:	hsa:4528
String:	9606.ENSP00000263629
Molecular Weight:	Calculated MW: 81.3 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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