

TFP1/HADHA Polyclonal Antibody

CATALOG NO:	3721-30T 30 µg (Trial size) 3721-100 100 µg
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 750 of human TFP1 (Internal ID# BV-536)
SPECIES REACTIVITY:	Human, Mouse, Rat

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in 1X phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

BACKGROUND:

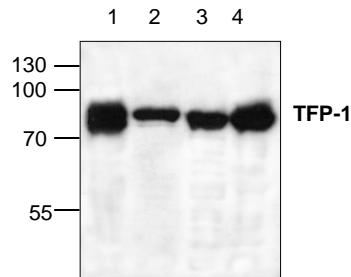
Mitochondrial Trifunctional Protein (TFP) is a multienzyme complex of the beta-oxidation cycle. TFP deficiency is a clinically heterogeneous disorder with phenotypes of different severity. The spectrum of diseases range from severe neonatal/infantile cardiomyopathy and early death to mild chronic progressive sensorimotor poly-neuropathy with episodic rhabdomyolysis. Human TFP is an octomer composed of four alpha-subunits and four beta-subunits. Mutations in either subunits may result in general TFP deficiency with reduced activity of all enzymes.

SPECIFICITY:

The antibody recognizes 84 kDa TFP1 from samples of human, mouse and rat origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking Peptide (Cat.# 3721BP-50) is also available separately.

**Cat. #: 3721-100**

Western blot analysis of TFP-1 expression with lysate from Jurkat cells (Lane 1,2), 3T3 cells (Lane 3) and rat kidney (Lane 4).

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
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Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies