

Product Datasheet

mtTFA/Tfam Rabbit Polyclonal Antibody (orb745974)

Catalog Number	orb745974
Category	Antibodies
Description	Anti-mtTFA/Tfam Antibody. Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat.
Target	Transcription factor A, mitochondrial
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Mouse, Rat
Form/Appearance	Lyophilized
Concentration	500 µg/ml
Buffer/Preservatives	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Immunogen	E.coli-derived mouse mtTFA/Tfam recombinant protein (Position: M1-D211).
UniProt ID	P40630

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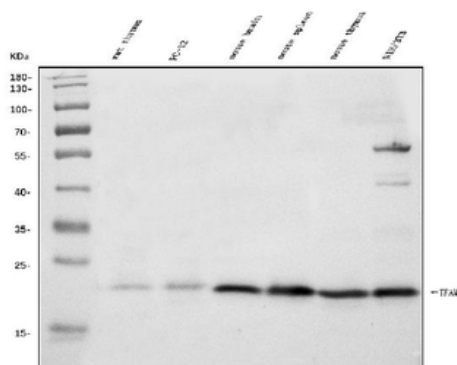
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MW	23 kDa
Tested applications	ELISA, WB
Dilution range	Western blot, 0.25-0.5µg/ml, Mouse, Rat ELISA, 0.1-0.5µg/ml
Cross Reactivity	No cross-reactivity with other proteins.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Western blot analysis of mtTFA/Tfam using anti-mtTFA/Tfam antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 µg of sample under reducing conditions. Lane 1: rat thymus tissue lysates, Lane 2: rat PC-12 whole cell lysates, Lane 3: mouse brain tissue lysates, Lane 4: mouse spleen tissue lysates, Lane 5: mouse thymus tissue lysates, Lane 6: mouse NIH/3T3 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-mtTFA/Tfam antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for mtTFA/Tfam at approximately 23 KD. The expected band size for mtTFA/Tfam is at 23 KD.

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