

## Product datasheet for **TA800421**

### Mitochondrial Translational Initiation Factor 3 (MTIF3) Mouse Monoclonal Antibody [Clone ID: OTI1E8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E8
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Dog, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 56-278 of human MTIF3 (NP_690876) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31.5 kDa
Gene Name:	mitochondrial translational initiation factor 3
Database Link:	<a href="#">NP_690876</a> <a href="#">Entrez Gene 76366 Mouse</a> <a href="#">Entrez Gene 477328 Dog</a> <a href="#">Entrez Gene 710571 Monkey</a> <a href="#">Entrez Gene 219402 Human</a> <a href="#">Q9H2K0</a>
Background:	This gene encodes a translation initiation factor that is involved in mitochondrial protein synthesis. Polymorphism in this gene is associated with the onset of Parkinson's disease. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 5. [provided by RefSeq, Oct 2009]

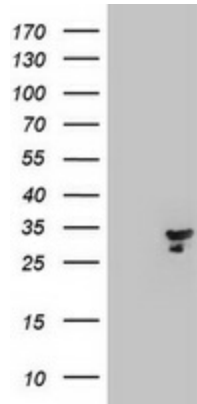


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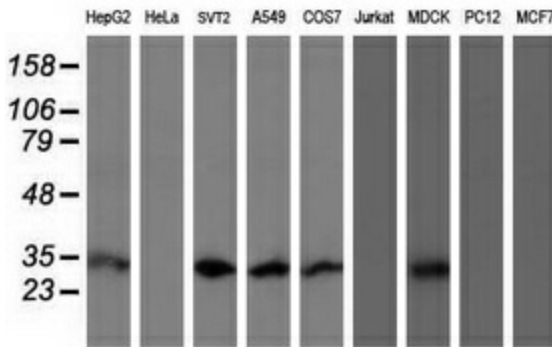
Synonyms:

IF3mt

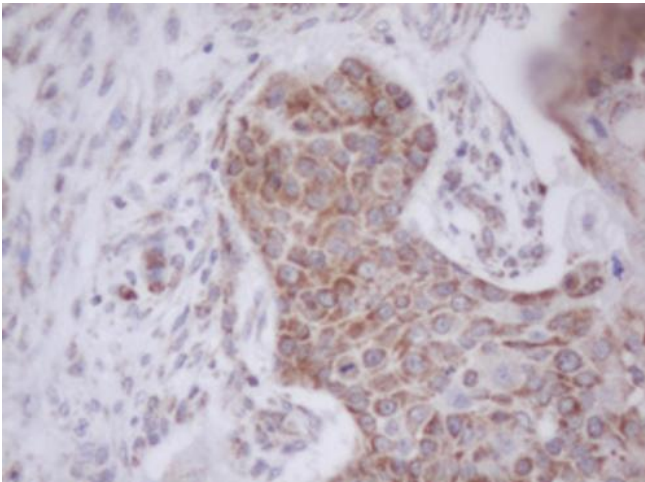
**Product images:**



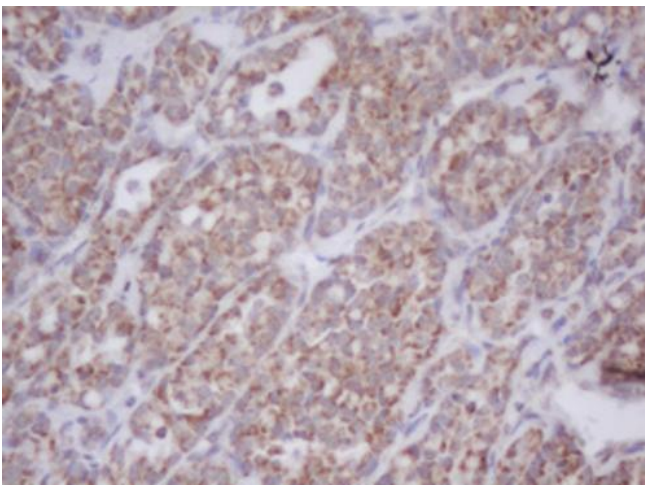
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MTIF3 (Cat# [RC208533], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MTIF3 (Cat# TA800421). Positive lysates [LY407210] (100ug) and [LC407210] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-MTIF3 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-MTIF3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-MTIF3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.