

Product datasheet for TA506112

DRP1 (DNM1L) Mouse Monoclonal Antibody [Clone ID: OTI3F4]

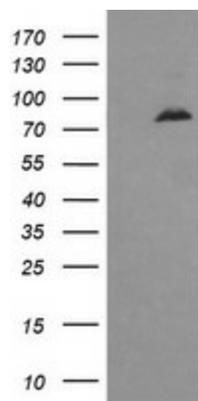
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F4
Applications:	IF, IHC, WB
Recommend Dilution:	WB 1:4000, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DNM1L(NP_036192) produced in HEK293T cell.
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)
Predicted Protein Size:	81.7 kDa
Gene Name:	dynammin 1 like
Database Link:	NP_036192 Entrez Gene 10059 Human
Background:	The protein encoded by this gene is a member of the dynammin superfamily of GTPases. Members of the dynammin-related subfamily, including the <i>S. cerevisiae</i> proteins Dnm1 and Vps1, contain the N-terminal tripartite GTPase domain but do not have the pleckstrin homology or proline-rich domains. This protein establishes mitochondrial morphology through a role in distributing mitochondrial tubules throughout the cytoplasm. The gene has 3 alternatively spliced transcripts encoding different isoforms. These transcripts are alternatively polyadenylated. [provided by RefSeq, Jul 2008]
Synonyms:	DLP1; DRP1; DVLP; DYMPLE; EMPF; EMPF1; HDYNIV
Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis

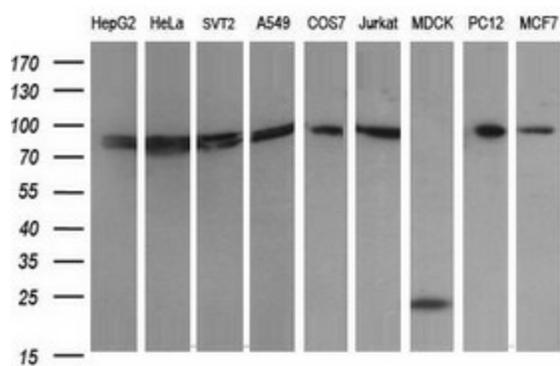


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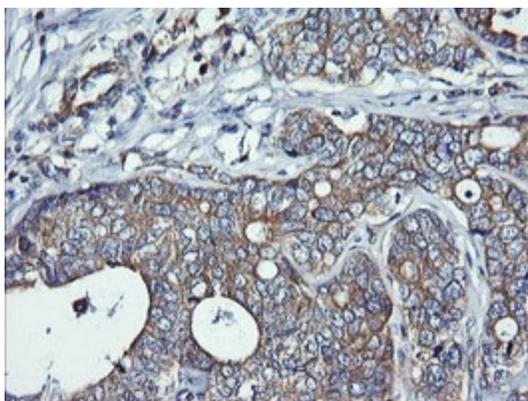
Product images:



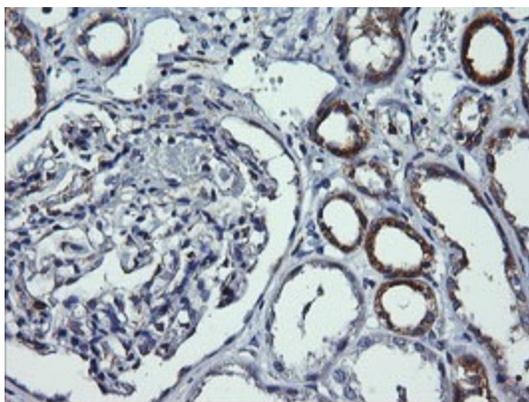
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DNM1L [RC221708], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DNM1L. Positive lysates [LY402138] (100ug) and [LC402138] (20ug) can be purchased separately from OriGene.



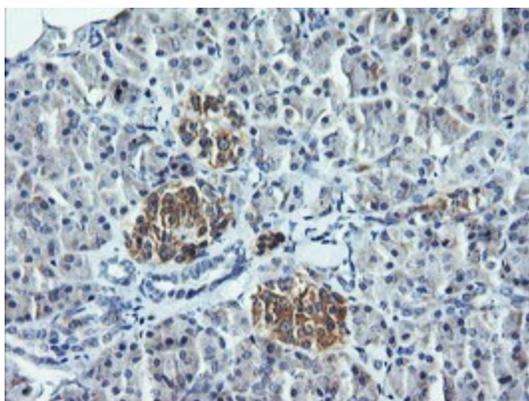
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DNM1L monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



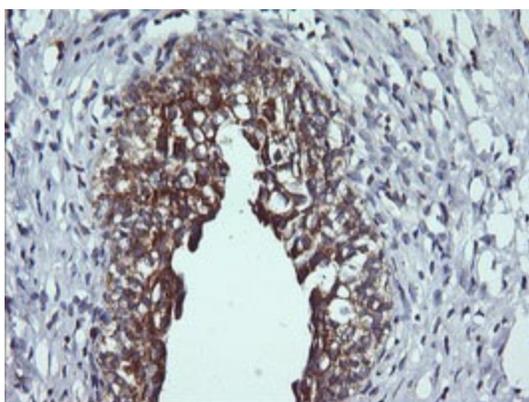
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-DNM1L mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506112)



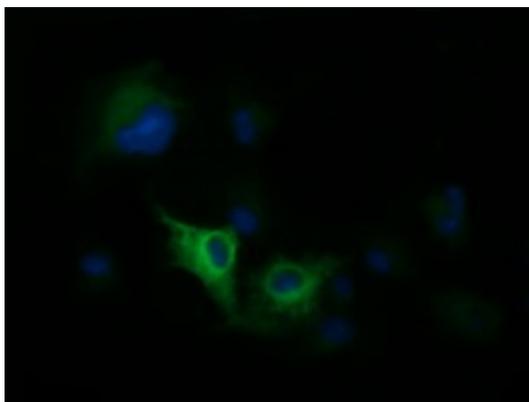
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DNM1L mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506112)



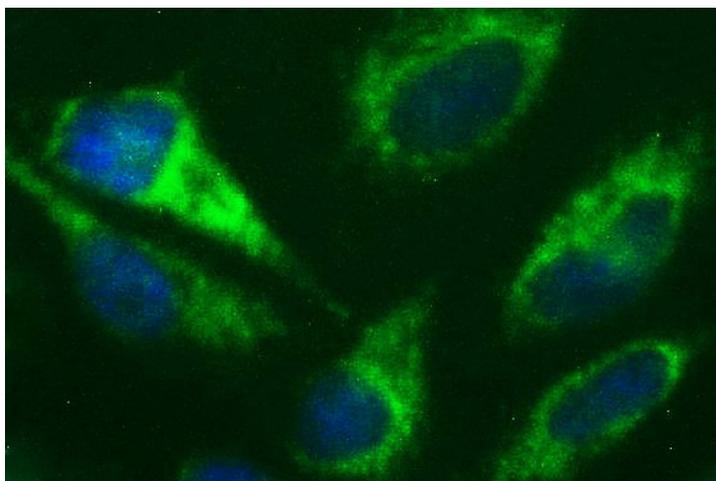
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DNM1L mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506112)



Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-DNM1L mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506112)



Anti-DNM1L mouse monoclonal antibody (TA506112) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DNM1L ([RC221708]).



Immunofluorescent staining of HeLa cells using anti-DNM1L mouse monoclonal antibody (TA506112).