

DNM1L Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Fish, Human, Mouse, Non-human primate, Rat
Published Species	Rat, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues 500-600 of human DRP1.
Form	Liquid
Concentration	1.0 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	-20°C or -80°C if preferred
RRID	AB_2093523

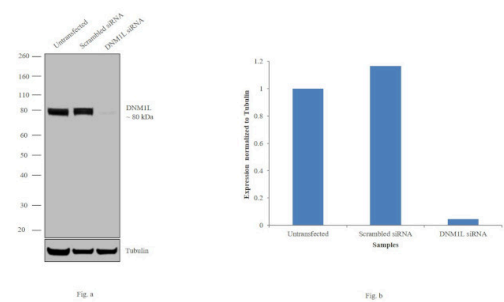
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	7 Publications
Immunohistochemistry (Paraffin) (IHC (P))	2.5 µg/mL	-
Immunocytochemistry (ICC/IF)	1:500	-
Flow Cytometry (Flow)	1:1,000	-
Immunoprecipitation (IP)	Assay-Dependent	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

This antibody is predicted to react with bovine based on 100% sequence homology.

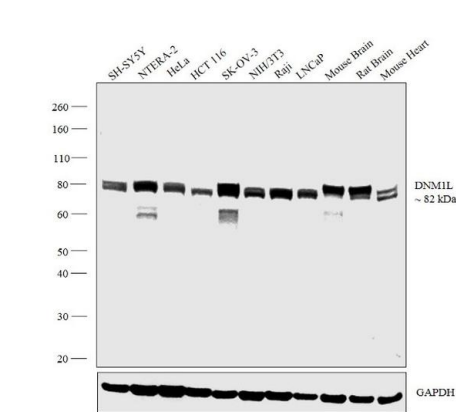
Suggested positive control: antigen standard for DNM1L (transient overexpression lysate), human kidney protein.

Product Images For DNM1L Polyclonal Antibody



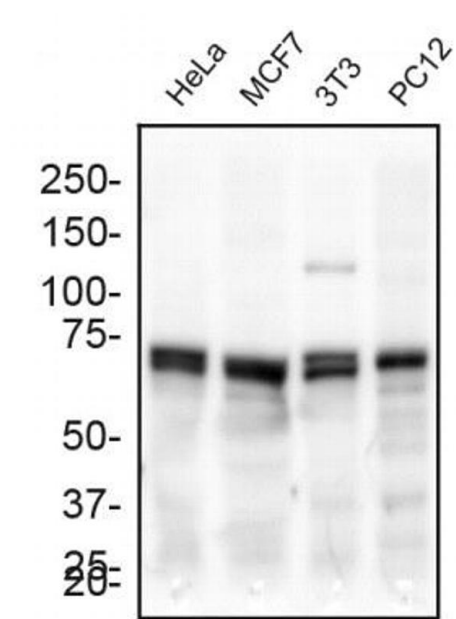
DNM1L Antibody (PA1-16987)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with DNM1L siRNA and reduction of signal was observed in Western Blot using DNM1L Polyclonal Antibody (Product # PA1-16987). {KD}



DNM1L Antibody (PA1-16987) in WB

Western blot analysis was performed on modified whole cell extracts (1% SDS) (30 µg lysate) of SH-SY5Y (Lane 1), NTERA-2 (Lane 2), HeLa (Lane 3), HCT 116 (Lane 4), SK-OV-3 (Lane 5), NIH/3T3 (Lane 6), Raji (Lane 7), LNCaP (Lane 8), tissue extracts of Mouse Brain (Lane 9), Rat Brain (Lane 10) and Mouse Heart (Lane 11). The blot was probed with Anti-DNM1L Polyclonal Antibody (Product # PA1-16987, 1:500 dilution) and detected by chemiluminescence using Goat anti Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 82 kDa band corresponding to DNM1L was observed across cell lines and tissues tested.



DNM1L Antibody (PA1-16987) in WB

Western blot analysis of DNM1L in human HeLa and MCF7 cells, mouse 3T3 cells and rat PC12 cells. Samples were incubated in DNM1L polyclonal antibody (Product # PA1-16987) using a dilution of 2 µg/mL followed by an anti-rabbit HRP secondary antibody. Separated on a 7.5 % gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. Detection: chemiluminescence.

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Western Blot (7)

Frontiers in cell and developmental biology	Year 2023
A new model for fatty acid hydroxylase-associated neurodegeneration reveals mitochondrial and autophagy abnormalities.	
"Published figure using DNM1L polyclonal antibody (Product # PA1-16987) in Western Blot"	
Authors: Mandik F,Kanana Y,Rody J,Misera S,Wilken B,Laabs von Holt BH,Klein C,Vos M	
International journal of molecular sciences	Year 2022
CDDO-Me Attenuates Clasmatodendrosis in CA1 Astrocyte by Inhibiting HSP25-AKT Mediated DRP1-S637 Phosphorylation in Chronic Epilepsy Rats.	
"Published figure using DNM1L polyclonal antibody (Product # PA1-16987) in Western Blot"	
Authors: Lee DS,Kim TH,Park H,Kim JE	

View more WB references on thermofisher.com

Miscellaneous PubMed (1)

Molecular brain	Year 2015
Endothelin-1 induces LIMK2-mediated programmed necrotic neuronal death independent of NOS activity.	Species Rat
"PA1-16987 was used in western blot to study the role of endothelin-1 in LIMK2-mediated neuronal necrosis"	Dilution 1:1000
Authors: Ko AR,Hyun HW,Min SJ,Kim JE,Kang TC	

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