

Rabbit DRP1 Polyclonal Antibody | anti-DRP1 antibody

DRP1 (Phospho-Ser637) Antibody

CATALOG # AAA304315	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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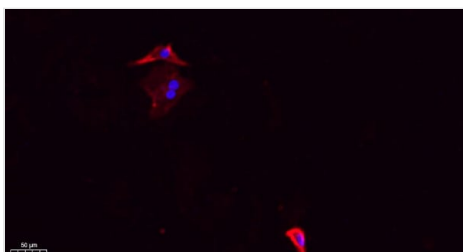
PRODUCT SYNONYMS

DRP1; Polyclonal Antibody; DRP1 (Phospho-Ser637) Antibody; DLP1; DNM1L; DVLP; Dymple; anti-DRP1 antibody

PRODUCT SPECIFICATIONS

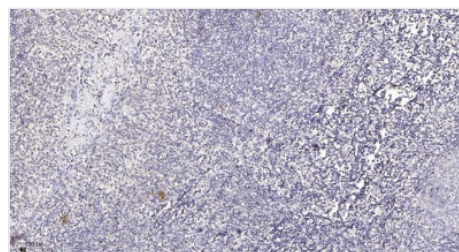
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of DRP1 only when phosphorylated at serine 637.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	725
Applicable Applications for anti-DRP1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Synthesized phospho-peptide around the phosphorylation site of human DRP1 (phospho Ser637)
Modification	Phospho
Target Name	DRP1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



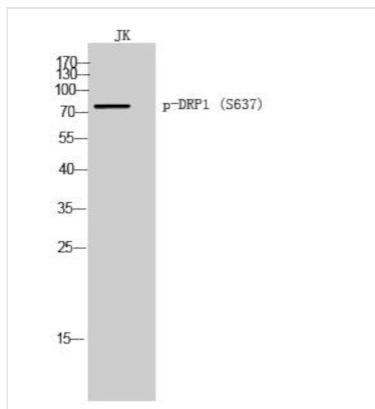
IF (Immunofluorescence)

Immunofluorescence analysis of A549. 1, primary Antibody (red) was diluted at 1:200 (4 degree C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min.



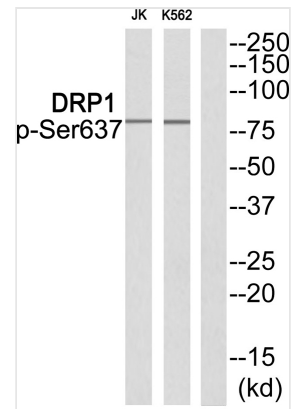
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4 degree C overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).



WB (Western Blot)

Western Blot analysis of JK cells using Phospho-DRP1 (S637) Polyclonal Antibody



WB (Western Blot)

Western blot analysis of extracts from JK cells and K562 cells using DRP1 (Phospho-Ser637) Antibody. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DRP1 antibody	Functions in mitochondrial and peroxisomal division. Mediates membrane fission through oligomerization into membrane-associated tubular structures that wrap around the scission site to constrict and sever the mitochondrial membrane through a GTP hydrolysis-dependent mechanism. Through its function in mitochondrial division, ensures the survival of at least some types of postmitotic neurons, including Purkinje cells, by suppressing oxidative damage. Required for normal brain development, including that of cerebellum. Facilitates developmentally regulated apoptosis during neural tube formation.
Product Categories/Family for anti-DRP1 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	510937022
NCBI GeneID	10059
NCBI Accession #	NP_001265392.1
NCBI GenBank Nucleotide #	NM_001278463.1
UniProt Accession #	O00429 ; O14541 ; O60709 ; Q59GN9 ; Q7L6B3 ; Q8TBT7 ; Q9BWM1 ; Q9Y5J2 ; A8K4X9 ; B4DGC9 ; B4DSU8 ; J3KPI2
Molecular Weight	SDS-PAGE MW: 82kd
NCBI Official Full Name	dynamamin-1-like protein isoform 4
NCBI Official Synonym Full Names	dynamamin 1-like
NCBI Official Symbol	DNM1L
NCBI Official Synonym Symbols	DLP1; DRP1; DVLP; EMPF; DYMPLE; HDYNIV
NCBI Protein Information	dynamamin-1-like protein
UniProt Protein Name	Dynamamin-1-like protein
UniProt Gene Name	DNM1L
UniProt Synonym Gene Names	DLP1; DRP1; DVLP; Dymple; HdynIV
UniProt Entry Name	DNM1L_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

