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Product datasheet for AP55855PU-S

DRP1 (DNM1L) pSer637 Rabbit Polyclonal Antibody

Product data:

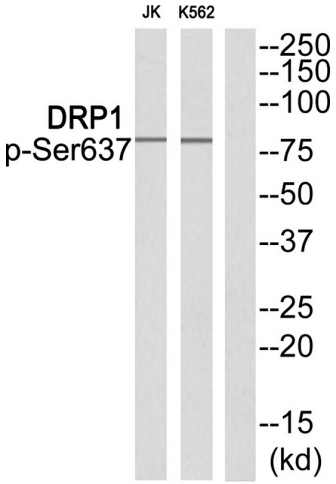
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**Western blot:** 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of Serine637(K-L-S(p)-A-R) derived from Human DRP1 (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of DRP1 only when phosphorylated at serine 637.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	82 kDa
Gene Name:	dynamin 1-like
Database Link:	Entrez Gene 10059 Human O00429

View online »

Background: 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.

Synonyms: DNM1L, DLP1, DRP1, Dynamin-like protein, Dnm1p/Vps1p-like protein, HdynIV

Product images:



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.