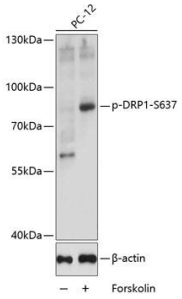
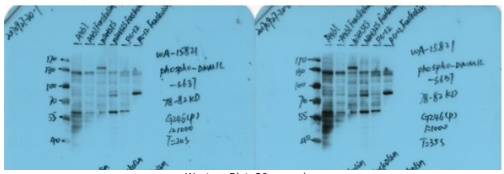
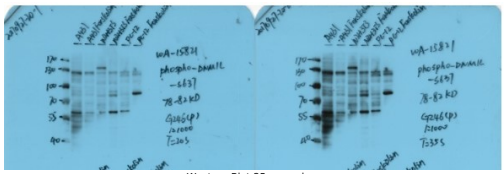
Product name:	Phospho-DRP1 (S637)
Cat number:	ABP-0812
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic phosphorylated peptide around S637 of human DRP1
Reactivity:	Hu, Ms,Rt
Applications:	Western Blot: 1:500 -1:2000
Molecular Weight:	80kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Storage:	Store at -20℃. Avoid freeze / thaw cycles
Background:	This gene encodes a member of the dynamin superfamily of GTPases. The encoded protein mediates mitochondrial and peroxisomal division, and is involved in developmentally regulated apoptosis and programmed necrosis. Dysfunction of this gene is implicated in several neurological disorders, including Alzheimer's disease. Mutations in this gene are associated with the autosomal dominant disorder, encephalopathy, lethal, due to defective mitochondrial and peroxisomal fission (EMPF).Alternative splicing results in multiple transcript variants encoding different isoforms.



Western blot analysis of extracts of PC-12 cells, using Phospho-DRP1-S637antibody at 1:1000 dilution. PC-12 cells were treated by Forskolin (30uM) for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA + TBST. Detection: ECL West Pico Exposure time: 20s.



Western Blot: 20 seconds exposure



Western Blot 35 seconds exposure