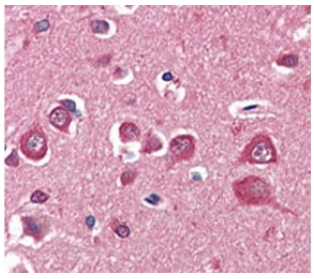
PINK1 Antibody [clone 38CT20.8.5] (F53741)

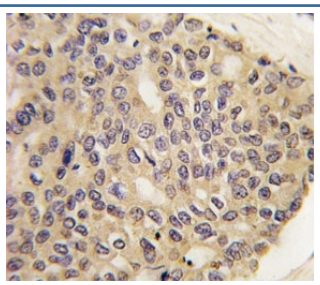
Catalog No.	Formulation	Size
F53741-0.1ML	In ascites with 0.09% sodium azide	0.1 ml

Bulk quote request

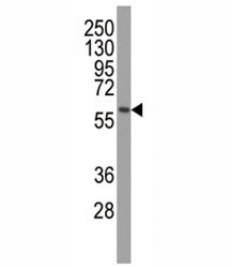
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	38CT20.8.5
Purity	Ascites
UniProt	Q9BXM7
Applications	Western Blot : 1:500-1:2000 IHC (Paraffin) : 1:10-1:50
Limitations	This PINK1 antibody is available for research use only.



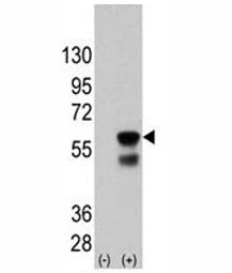
IHC analysis of FFPE human brain cortex tissue stained with PINK1 antibody



IHC analysis of FFPE human hepatocarcinoma tissue stained with PINK1 antibody



Western blot analysis of PINK1 antibody (1:500) and mouse brain tissue lysate. Predicted molecular weight: 60-70 kDa



Western blot analysis of PINK antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PINK gene (2) (1:2000)

Description

PINK1 protects against mitochondrial dysfunction during cellular stress by phosphorylating mitochondrial proteins. Involved in the clearance of damaged mitochondria via selective autophagy (mitophagy) by mediating activation and translocation of PARK2. Targets PARK2 to dysfunctional depolarized mitochondria through the phosphorylation of MFN2. Activates PARK2 in 2 steps: (1) by mediating phosphorylation at 'Ser-65' of PARK2 and (2) mediating phosphorylation of ubiquitin, converting PARK2 to its fully-active form. [UniProt]

Application Notes

Titration of the PINK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant protein was used to produced this PINK1 antibody.

Storage

Aliquot the PINK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.