Mouse PINK1 Monoclonal Antibody | anti-PINK1 antibody

PINK1 Monoclonal Antibody

CATALOG #	HOST	APPLICATIONS
AAA47862	**Mouse**	**Immunofluorescence, Immunoblot, Western Blot**

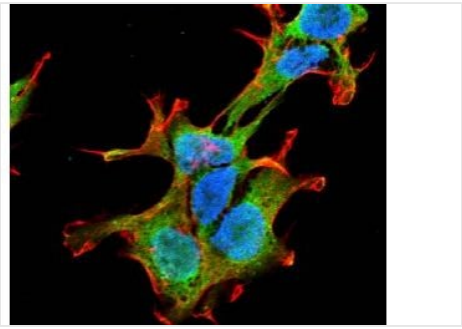
PRODUCT SYNONYMS

PINK1; Monoclonal Antibody; PINK1 Monoclonal Antibody; anti-PINK1 antibody

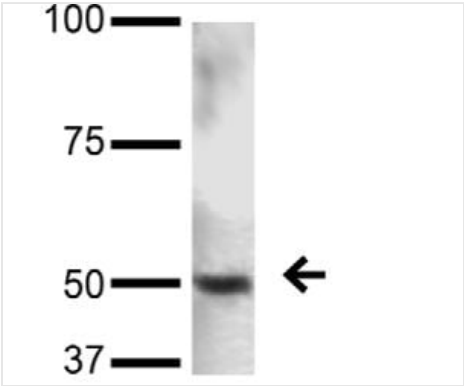
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody recognizes human, mouse, and rat PINK1.
Form/Format	100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.
Sequence Length	581
Applicable Applications for anti-PINK1 antibody	IF (Immunofluorescence), IB (Immunoblot)
Immunogen	Fusion protein corresponding to aa 112-496 (cytoplasmic C-terminus) of human PINK1. This sequence is 82% identical to rat PINK1 and 81% identical to mouse PINK1.
Preparation and Storage	This product is stable for at least one (1) year at-20 degree C.

IMAGES



Application Data
Detection of PINK1 is neuroblastoma cell line SKN-BE at 10ug/ml: DAPI (blue) nuclear stain, Texas RedF actin stain, FITC (green) PINK1 stain.



Application Data
Detection of PINK1 in 15ug rat brain lysate at 5ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PINK1 antibody	PINK1 (PTEN-induced putative kinase 1) is a mitochondrial serine/threonine kinase that maintains mitochondrial function and integrity, provides protection against mitochondrial dysfunction during cellular stress, and is involved in the clearance of damaged mitochondria via selective autophagy. PINK1 is synthesized as a 63kDa protein which undergoes proteolytic processing to yield two cleaved forms, ~55kDa and ~42kDa. PINK1 may be localized to the outer mitochondrial membrane with its kinase domain facing the cytosol which would explain the observed physical interaction between PINK1 and cytosolic E3 ubiquitin ligase Parkin.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14165272
NCBI GeneID	65018
NCBI Accession #	NP_115785.1
NCBI GenBank Nucleotide #	NM_032409.2
UniProt Accession #	Q9BXM7; Q8N6T9; Q8NBU3; Q96DE4
Molecular Weight	30,104 Da
NCBI Official Full Name	serine/threonine-protein kinase PINK1, mitochondrial
NCBI Official Synonym Full Names	PTEN induced kinase 1
NCBI Official Symbol	PINK1
NCBI Official Synonym Symbols	BRPK; PARK6
NCBI Protein Information	serine/threonine-protein kinase PINK1, mitochondrial
UniProt Protein Name	Serine/threonine-protein kinase PINK1, mitochondrial
UniProt Gene Name	**PINK1**

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.

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Online datasheet: https://www.aaabiotech.com/monoclonal/pink1-antibody-immunofluorescence-immunoblot-elisa/47862