Rabbit PINK1 Polyclonal Antibody | anti-PINK1 antibody

PINK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40652	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

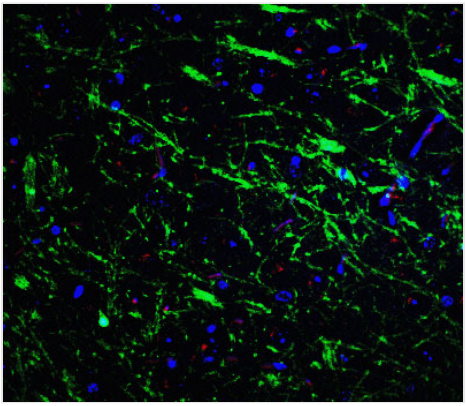
PRODUCT SYNONYMS

PINK1; Polyclonal Antibody; PINK1 Antibody; BRPK; PARK6BRPK; PTEN induced putative kinase 1; anti-PINK1 antibody

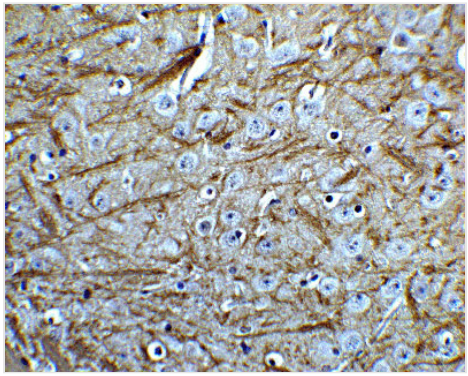
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PINK1 antibody is human, mouse and rat reactive. At least two isoforms are known to exist; this antibody will only detect the longer isoform. PINK1 antibody will detect the cleaved and uncleaved form of PINK1.
Purity/Purification	PINK1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	581
Applicable Applications for anti-PINK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PINK1 antibody was raised against a 16 amino acid peptide near the amino terminus of human PINK1.
Buffer	PINK1 antibody is supplied in PBS containing 0.02% sodium azide. The immunogen is located within amino acids 120 - 170 of PINK1.
Positive Control	1) - A431 Cell Lysate 2) - Mouse Spleen Tissue Lysate 3) - Rat Spleen Tissue Lysate
Preparation and Storage	PINK1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

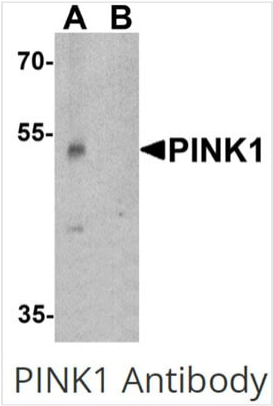
IMAGES



IF (Immunofluorescence)
Immunofluorescence of PINK1 in mouse brain tissue with PINK1 Antibody at 20 μg/mL.Green: PINK1 antibody (7859)Red: Phylloidin stainingBlue: DAPI staining



IHC (Immunohiostchemistry)
Immunohistochemistry of PINK1 in mouse brain tissue with PINK1 Antibody at 5 μg/mL.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-PINK1 antibody	The PTEN-induced putative kinase 1 (PINK1) is a serine/threonine protein kinase that localizes to mitochondria and is thought to protect cells from stress-induced mitochondrial dysfunction (reviewed in 1). PINK1 recruits the E3 ubiquitin ligase Parkin to mitochondria to initiate mitophagy, an autophagic process that clears damaged mitochondria within a cell (2). PINK1 is cleaved by the mitochondrial protease PARL (3). Mutations in this gene cause one form of autosomal recessive early-onset Parkinson disease (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	14165272
NCBI GeneID	65018
NCBI Accession #	NP_115785
NCBI GenBank Nucleotide #	NM_032409.2
UniProt Accession #	Q9BXM7; Q8N6T9; Q8NBU3; Q96DE4
Molecular Weight	Predicted: 55 kDa Observed: 53 kDa
NCBI Official Full Name	serine/threonine-protein kinase PINK1, mitochondrial
NCBI Official Synonym Full Names	PTEN induced putative kinase 1
NCBI Official Symbol	PINK1

NCBI Official Synonym Symbols	BRPK; PARK6
NCBI Protein Information	serine/threonine-protein kinase PINK1, mitochondrial; protein kinase BRPK; PTEN-induced putative kinase protein 1
UniProt Protein Name	Serine/threonine-protein kinase PINK1, mitochondrial
UniProt Gene Name	**PINK1**
UniProt Entry Name	PINK1_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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/pink1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40652