

Rabbit PINK1 Polyclonal Antibody | anti-PINK1 antibody

PINK1 Antibody

CATALOG # AAA327309	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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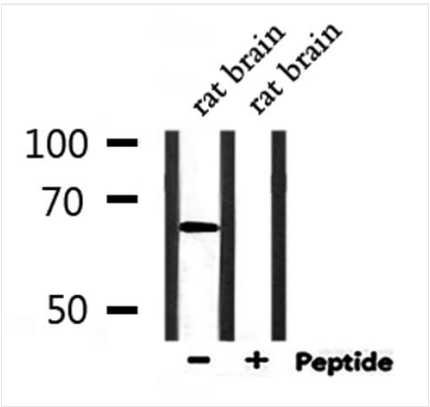
PRODUCT SYNONYMS

PINK1; Polyclonal Antibody; PINK1 Antibody; BRPK; FLJ27236; mitochondrial; PARK 6; PARK6; Phosphatase and Tensin Homolog; PINK 1; PINK1_HUMAN; Protein kinase BRPK; PTEN induced putative kinase 1; PTEN induced putative kinase protein 1; PTEN-induced putative kinase protein 1; Serine/threonine kinase PINK1 mitochondrial; Serine/threonine protein kinase PINK1 mitochondrial; Serine/threonine-protein kinase PINK1; anti-PINK1 antibody

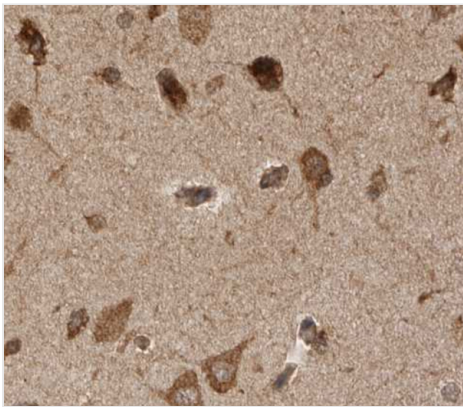
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PINK1 antibody detects endogenous levels of total PINK1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	581
Applicable Applications for anti-PINK1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PINK1
Subcellular Location	Mitochondrion Outer Membrane. Cytoplasm > Cytosol.
Tissue Specificity	Highly expressed in heart, skeletal muscle and testis, and at lower levels in brain, placenta, liver, kidney, pancreas, prostate, ovary and small intestine. Present in the embryonic testis from an early stage of development.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (89%), Bovine (83%), Horse (94%), Sheep (89%), Dog (94%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

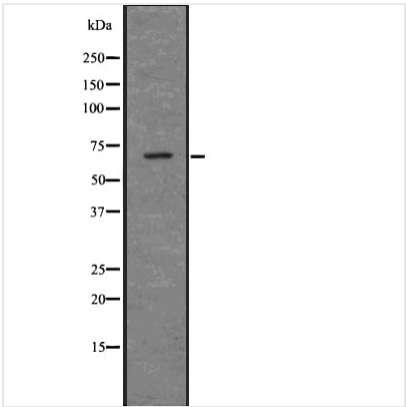
IMAGES



WB (Western Blot)
Western blot analysis of extracts from rat brain, using PINK1 Antibody.



IHC (Immunohistochemistry)
AAA327309 at 1/50 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of PINK1 using A549 whole lysates .

ADDITIONAL INFORMATION

Related Product Information for anti-PINK1 antibody	Function: 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 PRKN (PubMed:14607334, PubMed:15087508, PubMed:19229105, PubMed:19966284, PubMed:20404107, PubMed:20798600, PubMed:23620051, PubMed:23754282, PubMed:23933751, PubMed:24660806, PubMed:24751536, PubMed:24784582, PubMed:24896179, PubMed:25527291). Targets PRKN to dysfunctional depolarized mitochondria through the phosphorylation of MFN2 (PubMed:23620051). Activates PRKN in 2 steps: (1) by mediating phosphorylation at 'Ser-65' of PRKN and (2) mediating phosphorylation of ubiquitin, converting PRKN to its fully-active form (PubMed:24660806, PubMed:24751536, PubMed:24784582, PubMed:25527291). Required for ubiquinone reduction by mitochondrial complex I by mediating phosphorylation of complex I subunit NDUFA10 (By similarity). Subunit Structure: Interacts with PRKN. Interacts with FBXO7. Forms a complex with PRKN and PARK7 (PubMed:19229105). Post-translational Modifications: Autophosphorylation at Ser-228 and Ser-402 is essential for Parkin/PRKN recruitment to depolarized mitochondria. Two shorter forms of 55 kDa and 48 kDa seem to be produced by proteolytic cleavage and localize mainly in cytosol. Similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.
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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	Observed: 66 kDa Predicted: 63 kDa
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/polyclonal/pink1-antibody-immunohistochemistry-western-blot-elisa/327309>