

Rabbit PINK1 Polyclonal Antibody | anti-PINK1 antibody

Phospho-PINK1 (Ser228) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328268	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PINK1; Polyclonal Antibody; Phospho-PINK1 (Ser228) 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

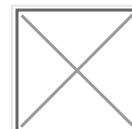
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-PINK1(Ser228) Antibody detects endogenous levels of PINK1 only when phosphorylated at Ser228.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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 (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PINK1 around the phosphorylation site of Ser228.
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.
Subcellular Location	Cytosol; Mitochondrion
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-PINK1(Ser228) in lysates of Jurkat cells, using Phospho-PINK1(Ser228) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining human kidney 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

ADDITIONAL INFORMATION

Related Product Information for anti-PINK1 antibody	Description: 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). 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. Subunit Structure: Interacts with PRKN. Interacts with FBXO7. Forms a complex with PRKN and PARK7 (PubMed:19229105). 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 #	NP_115785.1
UniProt Accession #	Q9BXM7
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
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-peptide-elisa-immunohistochemistry-western-blot-elisa/328268>