

Catalog Number:	NB100-493SS
Background:	Phosphatase and Tensin Homolog (PTEN) dephosphorylates lipids. Malfunctions in this contribute to many human cancers. PTEN induced putative kinase 1 (Pink1) was first discovered when researching the PTEN signaling pathway, thus Pink1 is also involved in many human cancers. It is found in the mitochondria and its homozygous C-terminus mutation has been implicated in the early development of Parkinson's disease.
Alternate Names:	anti-Pink1 antibody, anti-PARK6 antibody, anti-BRPK antibody, anti-PTEN-induced putative kinase protein 1 antibody, anti-Serine/threonine-protein kinase PINK1 mitochondria [precursor] antibody
Research Areas:	8,119,321,0
Immunogen:	An N-terminal region synthetic peptide made to the human Pink1 protein sequence (between residues 1-50).
Localization:	Mitochondrion.
Species Reactivity:	Reacts with human and mouse.
Uses:	This antibody is useful for Western blot where a band is seen ~60 kDa. * Other applications have not been tested.
Dilutions:	Suggested working dilutions * Western Blot - 1:500 * Investigator should determine optimal working dilutions.
Packaging:	0.025 ml Affinity purified Rabbit antisera.
Concentration:	1 mg/ml
Buffer:	Tris-citrate/phosphate, [pH7-8].
Preservative:	0.1% Sodium azide
Storage:	Store at 4C. Do not freeze.
Notes:	MES cells are mouse embryonic stem cells.
General References:	1. Meijer, M., et al. Pnk1, a DNA kinase/phosphatase required for normal response to DNA damage by gamma-radiation or camptothecin in schizosaccharomyces pombe. J. Biol. Chem. 277(6): 4050-55 (2002).
Gene Id:	65018
Reference Sequence:	Q9BXM7
Image(s)	