

Immunotag™ PINK1 Antibody

Antibody Specification	
Catalog No.	ITA7744
Product Description	Immunotag™ PINK1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PINK1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:1000-3000 IHC 1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PINK1
Specificity	PINK1 Antibody detects endogenous levels of total PINK1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PINK1
Accession No.	Q9BXM7
Alternate Names	BRPK; FLJ27236; mitochondrial; PARK 6; PARK6; Phosphatase and Tensin Homolog; PINK 1; PINK1; 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;

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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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	66 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.