

AB-NK304-1

PINK1 Antibody

Pan-specific monoclonal antibody (S4-15) for monitoring the expression of human protein-serine/threonine kinase PINK1



KINEXUS

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Target Protein

Name Long:	Serine/threonine-protein kinase PINK1, mitochondrial (PTEN-induced putative kinase protein 1)
Alias:	Parkinson disease (autosomal recessive) 6, EC 2.7.11.1, PARK6, serine/threonine-protein kinase PINK1 mitochondrial, PTEN-induced putative kinase protein 1, protein kinase BRPK, BRPK, FLJ27236, PTEN induced putative kinase 1, Phosphatase and Tensin Homolog
UniProt ID:	Q9BXM7.1 - Human
Human Predicted Mass (KDa):	62.769 (581 AA; Q9BXM7-1); 30.104 (274 AA; Q9BXM7-2)
Observed SDS-PAGE Mass (KDa):	50

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 112-496 (cytoplasmic C-terminus) of human PINK1. 82% identical to rat and 81% identical to mouse. >30% identity with DMPK.
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	171 IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-450 was sufficient for detection of PINK1 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~50 kDa protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

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