Product Datasheet

PINK1 Antibody (8E10.1D6) - Azide and BSA Free
NBP2-80910

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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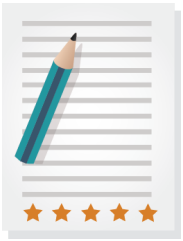


NBP2-80910

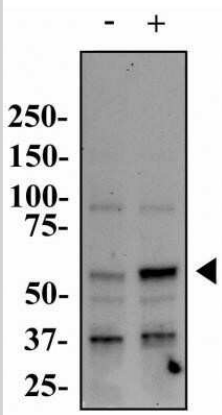
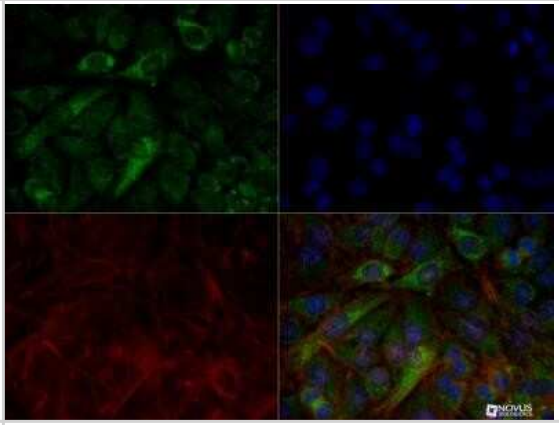
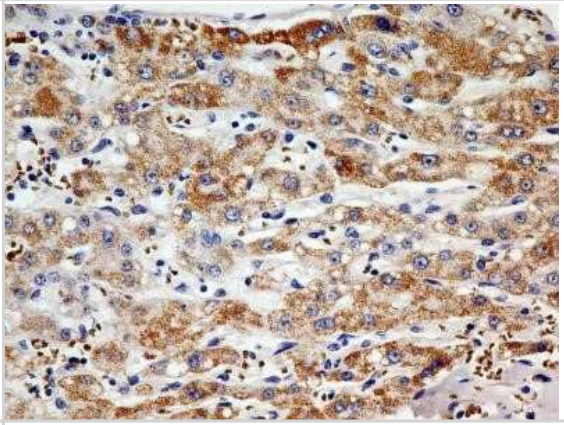
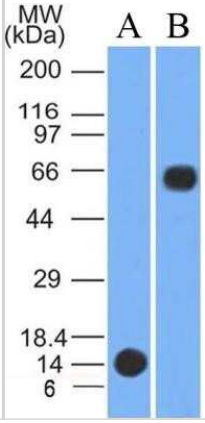
PINK1 Antibody (8E10.1D6) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	8E10.1D6
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	62.7 kDa

Product Description	
Description	Novus Biologicals Mouse PINK1 Antibody (8E10.1D6) - Azide and BSA Free (NBP2-36488) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	65018
Gene Symbol	PINK1
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 29486776).
Immunogen	PINK1 antibody was developed using a synthetic peptide made to the human PINK1 protein sequence (between residues 100-250). [Swiss-Prot: Q9BXM7]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, SDS-Page, Knockdown Validated
Recommended Dilutions	Western Blot 2-4 ug/ml, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 20-50 ug/ml, SDS-Page reported in scientific literature (PMID 27553674), Knockdown Validated
Application Notes	Unprocessed PINK1 is 63 kDa which undergoes proteolytic processing to generate 55 kDa and 42 kDa cleaved forms, and bands at the mentioned positions may be expected in Western blot application.

Images

Western Blot: PINK1 Antibody (8E10.1D6) - Azide and BSA Free [NBP2-80910] - Whole cell protein from HeLa cells treated with or without valinomycin (1 uM, 24h) as indicated was separated by SDS-PAGE on a 7.5% polyacrylamide gel. Protein was transferred to PVDF membrane and probed with 2 ug/ml anti-PINK1 in 1% BSA and detected with an HRP-conjugated anti-mouse secondary antibody using chemiluminescence. PINK1 is seen to be upregulated with treament and with a molecular weight at approximately 60 kDa. Image from the standard format of this antibody.	
Immunocytochemistry/Immunofluorescence: PINK1 Antibody (8E10.1D6) - Azide and BSA Free [NBP2-80910] - HeLa cells were treated with valinomycin (1 uM, 24h) prior to being fixed in 10% buffered formalin for 10 min and permeabilized in 0.1% Triton X-100 in PBS for 10 min. Cells were incubated with NBP2-36488 at 50 ug/ml for 1hr at room temperature, washed 3x in PBS and incubated with Alexa-DyLight-488 anti-mouse secondary antibody. PINK1 (Green) was detected at the mitochondria. Tubulin (Red) was detected using an anti-tubulin antibody with an anti-rabbit DyLight 550 secondary antibody. DNA (Blue) was counterstained with DAPI. Note: mitochondria staining might not be easily observed without treatment with valinomycin or CCCP. Image objective 40x. Image from the standard format of this antibody.	
Immunohistochemistry: PINK1 Antibody (8E10.1D6) - Azide and BSA Free [NBP2-80910] - Analysis of FFPE tissue section of human hepatocellular carcinoma using PINK1 antibody (clone 8E10.1D6) at 5 ug/ml concentration. The cancer cells developed an expected punctate to granular cytoplasmic staining with no signal in the tumor stroma. Image fr	
Western Blot: PINK1 Antibody (8E10.1D6) - Azide and BSA Free [NBP2-80910] - Analysis of (A) Partial Recombinant Human PINK-1 protein with estimated molecular weight at 13kDa and (B) Human Liver lysate using PINK1 antibody clone 8E10.1D6 at 3ug/ml concentration, molecular weight ~64 kDa. Image from the standard format of this antibody.	

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Products Related to NBP2-80910

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
BC100-494PEP	PINK1 Antibody Blocking Peptide

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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