

Anti-Phospho-Parkin (Ser378) PARK2 Antibody

Catalog Number: P00127-1

About PARK2

Parkin is an E3 ligase in the ubiquitin-proteasome system. Hereditary Parkinson's disease is most commonly caused by mutations in the parkin gene and is characterized by the progressive loss of dopaminergic neurons and the presence of Lewy bodies in the substantia nigra (Jenner et al.,1992). Recent evidence suggests that phosphorylation of parkin at Ser-378 may have an important regulatory role on its E3 ubiquitin ligase activity (Yamamoto et al., 2005).

Overview

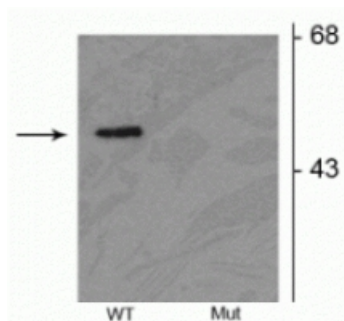
Product Name	Anti-Phospho-Parkin (Ser378) PARK2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Phospho-Parkin (Ser378) PARK2 Antibody (Catalog # P00127-1). Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal JE44-80
Formulation	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Storage Instructions	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C. After date of receipt, stable for at least 1 year at -20°C.
Host	Rabbit
Uniprot ID	O60260

Technical Details

Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser378 of human Parkin, conjugated to keyhole limpet hemocyanin (KLH). Immunogen species is Human.
Predicted Reactive Species	Bovine, Primate
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on

	phospho and non-phosphopeptide affinity columns.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:1000</p>

Anti-Phospho-Parkin (Ser378) PARK2 Antibody (P00127-1) Images



Western blot of HEK293 cells transfected with Parkin wild type (WT) and Parkin S378 mutant(Mut) showing the specific immunolabeling of the ~52 kDa parkin protein phosphorylated at Ser³⁷⁸.

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