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Anti-Parkin Antibody

Catalog # AN2175

Product Information

Application	WB
Primary Accession	O60260
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	51641

Additional Information

Gene ID	5071
Other Names	PRKN, E3 ubiquitin-protein ligase parkin, PARK2
Dilution	WB~~1:1000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Parkin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Parkinson's disease is a common neurodegenerative disease with complex clinical features. Mutations in the gene, Parkin (PARK2), appear to be responsible for the pathogenesis of autosomal recessive juvenile Parkinsonism. Parkin plays a role in the ubiquitin-mediated proteolytic pathway by removal and/or detoxification of abnormally folded or damaged protein. Loss of this ubiquitin ligase activity appears to be the mechanism underlying pathogenesis of Parkin. Parkin may protect neurons against alpha synuclein toxicity, proteasomal dysfunction, gpr37 accumulation, and kainate-induced excitotoxicity. It may play a role in controlling neurotransmitter trafficking at the presynaptic terminal and in calcium-dependent exocytosis. Parkin also regulates cyclin e during neuronal apoptosis and may represent a tumor suppressor gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.