

Anti-Parkin Antibody

Catalog # AN2175

Specification

Anti-Parkin Antibody - Product Information

| Primary Accession | <u>060260</u> |
|-------------------|-------------------|
| Host | Rabbit |
| Clonality | Rabbit Polyclonal |
| Isotype | IgG |
| Calculated MW | 51641 |
| | |

Anti-Parkin Antibody - Additional Information

Gene ID 5071 Other Names PRKN, E3 ubiquitin-protein ligase parkin, PARK2

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

Anti-Parkin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- Anti-Parkin Antibody Images

Anti-Parkin Antibody - 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.