

DATASHEET

Version: 2016-08-17

Parkin Antibody, pAb, Rabbit**Cat. No.:** A01250-40**Size:** 40 µg**Synonyms:** Rabbit Anti-Parkin pAb;**Description:**

Parkin, also known as PARKIN2, is a novel protein in Ubl conjugation pathway. Parkin functions within a multiprotein E3 ubiquitin ligase complex, catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. These substrates include CCNE1, SYT11, GPR37, and STUB1, a 22 kDa O-linked glycosylated isoform of SNCAIP and SEPT5. Parkin may play a more general role in the ubiquitin proteasomal pathway by participating in the removal and/or detoxification of abnormally folded or damaged protein. The protein may protect neurons against alpha synuclein toxicity, proteasomal dysfunction, GPR37 accumulation, and kainate-induced excitotoxicity. Defects in PARK2 are a cause of Parkinson disease (PD).

GenScript **Parkin Antibody, pAb, Rabbit** is developed in rabbit using a KLH-coupled synthetic peptide within residues 300-350 of human parkin protein (Swiss Prot: O60260).

Immunogen: KLH-coupled synthetic peptide within residues 300-350 of human parkin protein (Swiss Prot: O60260)

Host: Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Predicated Band Size:**

51 kD

Observed Band Size:

51 kD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02%

sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript **Parkin Antibody, pAb, Rabbit** detects endogenous levels of human, mouse and rat parkin protein.

Purification: Immunoaffinity chromatography**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml**Western blot:** 0.5-1 µg/ml**IHC:** 5-10 µg/ml**Flow cytometry:** 1-3 µg for 1 x 10⁶ cells**Other applications:** user-optimized

Species Reactivity: Human, mouse, and rat. This product has not yet been tested with other species.

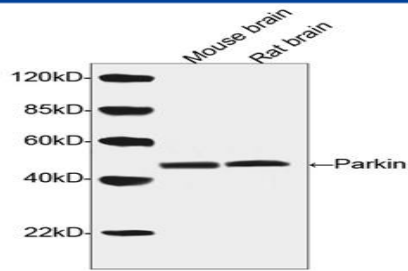
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

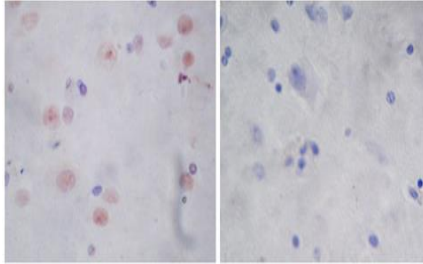
Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

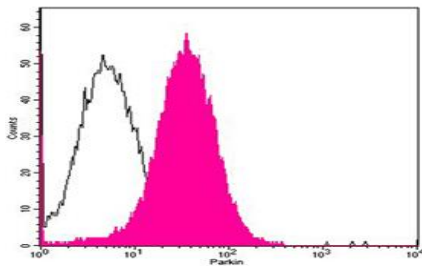
Example



Western blot analysis of tissue lysates, using Parkin Antibody, pAb, Rabbit (GenScript, A01250, 1 μ g/ml)
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.
Predicted Size: 51 kD
Observed Size: 51 kD



Immunohistochemistry analysis of human brain tissue slide (Paraffin embedded) using Rabbit Anti-Parkin Polyclonal Antibody (left, GenScript, A01250) and Purified Rabbit IgG (whole molecule) Control (right, GenScript, A01008)



Flow cytometric analysis of HeLa cells using Parkin Antibody, pAb, Rabbit (GenScript, A01250; shaded histogram) or with an isotype control antibody (GenScript, A01008; open histogram), followed by R-PE conjugated anti-rabbit IgG.