
Parkin Rabbit pAb

Catalog Number: bs-1865R

Target Protein: Parkin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Rat (predicted:Mouse, Pig)

Predicted MW: 51 kDa

Subcellular: Cell membrane ,Cytoplasm ,Nucleus

Locations:

Entrez Gene: 5071

Swiss Prot: O60260

Source: KLH conjugated synthetic peptide derived from human Parkin protein: 361-465/465.

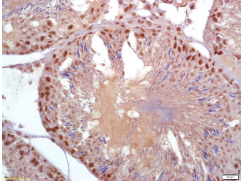
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

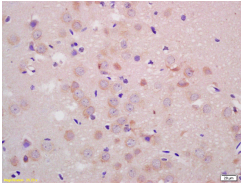
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Parkinson's Disease, the second most common neurodegenerative disease after Alzheimer's Disease, is characterized by the loss of dopaminergic neurons and the presence of Lewy bodies (comprised of alpha synuclein and parkin inclusions). Autosomal Recessive Juvenile Parkinsonism (AR-JP) is a recently described form of Parkinson's Disease that has been linked to a gene that codes for parkin. Parkin, a 52 kDa protein, has a suggested role in the ubiquitin/proteasome pathway for protein degradation. The amino terminus bears sequence homology to ubiquitin while functionally it acts as a RING type ubiquitin protein ligase (E3) that coordinates the transfer of ubiquitin to substrate proteins, thus targeting them for degradation by the proteasome.

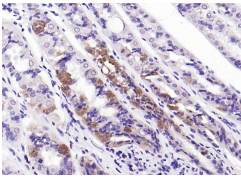
VALIDATION IMAGES



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Parkin protein/PARK2 Polyclonal Antibody, Unconjugated(bs-1865R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Parkin protein/PARK2 Polyclonal Antibody, Unconjugated(bs-1865R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Parkin) Polyclonal Antibody, Unconjugated (bs-1865R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=2.97] Li, Xu-zhao, et al. "Neuroprotective effects of extract of *Acanthopanax senticosus* harms on SH-SY5Y cells overexpressing wild-type or A53T mutant ??-synuclein." *Phytomedicine* (2013). WB ; ="Human" . 24252343

[IF=2.629] Song Zhenyan. et al. Neuroprotective Effect of Danggui Shaoyao San via the Mitophagy-Apoptosis Pathway in a Rat Model of Alzheimer' s Disease. *Evid-Based Compl Alt*. 2021;2021:3995958 WB ; Rat . 34621321

[IF=2.4] Zhi-Yong An. et al. Eicosatrienoic acid enhances the quality of in vitro matured porcine oocytes by reducing PRKN-mediated ubiquitination of C1SD2. *THERIOGENOLOGY*. 2024 Dec;230:285 IF ; Pig,Human . 39357167

[IF=-] LIMGALA RP. Alpha-synuclein in peripheral blood mononuclear cells as biomarker for synucleinopathy. US 2019 / 0170771 A1 FCM ; Human . US2019/0170771A1