

bs-1865R**[Primary Antibody]****BioSS**
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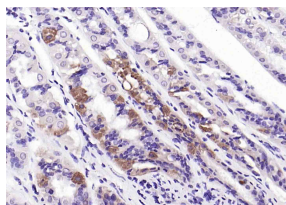
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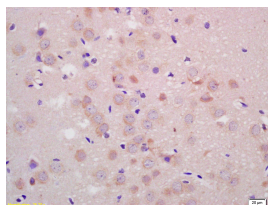
400-901-9800

Parkin Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 5071	SWISS: O60260	
Target: Parkin		Reactivity: Rat (predicted: Human, Mouse, Pig)
Immunogen: KLH conjugated synthetic peptide derived from human Parkin protein: 361-465/465.		
Purification: affinity purified by Protein A		Predicted MW.: 51 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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 —

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.



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

— SELECTED CITATIONS —

- **[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 α -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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[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 CISD2. 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