

**bs-5553R****[ Primary Antibody ]****phospho-PARK2 (Ser378) Rabbit pAb****Bioss**  
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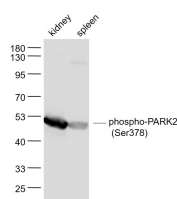
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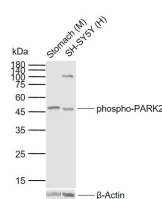
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5071**SWISS:** O60260**Target:** PARK2 (Ser378)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human PARK2 around the phosphorylation site of Ser378: EC(p-S)AV.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

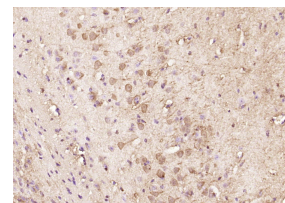
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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.**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse  
(predicted: Pig, GuineaPig)**Predicted**  
**MW.:** 51 kDa**Subcellular** Cell membrane ,Cytoplasm  
**Location:** ,Nucleus**— VALIDATION IMAGES —**

Sample: Kidney (Mouse) Lysate at 40 ug Spleen (Mouse) Lysate at 40 ug  
 Primary: Anti- phospho-PARK2 (Ser378) (bs-5553R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 51 kD  
 Observed band size: 51 kD



Sample: Lane 1: Mouse Stomach tissue lysates  
 Lane 2: Human SH-SY5Y cell lysates  
 Primary: Anti- phospho-PARK2 (Ser378) (bs-5553R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 51 kDa  
 Observed band size: 47 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (phospho-PARK2 (Ser378)) Polyclonal Antibody, Unconjugated (bs-5553R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.