

Anti-Phospho-Parkin (Ser65) Polyclonal Antibody

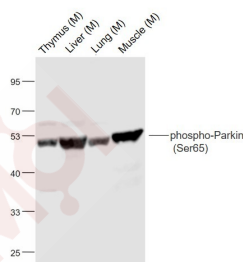
Product Details

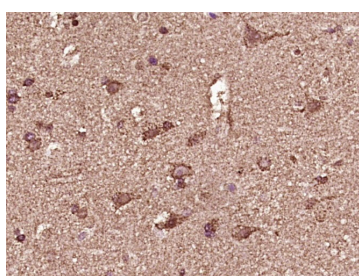
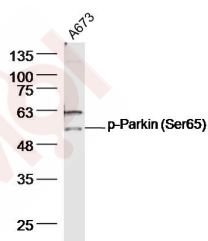
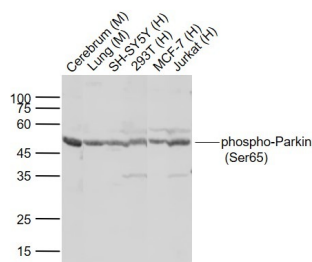
Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Pig, Cow, Horse, Sheep, Monkey)
Molecular Weight:	Theoretical: 52 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

- Sample: Thymus (Mouse) Lysate at 40 µg Liver (Mouse) Lysate at 40 µg Lung (Mouse) Lysate at 40 µg Skeletal muscle (Mouse) Lysate at 40 µg
Primary: Anti-phospho-Parkin (Ser65) (TMAB-01487) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa
- Sample:
Lane 1: Cerebrum (Mouse) Lysate at 40 µg
Lane 2: Lung (Mouse) Lysate at 40 µg
Lane 3: SH-SY5Y (Human) Cell Lysate at 30 µg
Lane 4: 293T (Human) Cell Lysate at 30 µg
Lane 5: MCF-7 (Human) Cell Lysate at 30 µg
Lane 6: Jurkat (Human) Cell Lysate at 30 µg
Primary: Anti-phospho-Parkin (Ser65) (TMAB-01487) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 52 kDa
Observed band size: 50 kDa
- Sample: A673 (Human) cell Lysate at 40 µg
Primary: Anti-p-Parkin (Ser65) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa
- Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Parkin (Ser65)) Polyclonal Antibody, Unconjugated (TMAB-01487) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthesised phosphopeptide: human Parkin around the phosphorylation site of Ser65

Antigen Species: Human

Gene ID: 5071

Uniprot ID: O60260

Synonyms: PRKN;E3 ubiquitin-protein ligase parkin;PRKN (p-Ser65);p-PRKN (S65);PARK2;PRKN (p-S65); Parkin RBR E3 ubiquitin-protein ligase;p-PRKN (Ser65);Parkin;Parkinson juvenile disease protein 2 (Parkinson disease protein 2)

Biology Area: Parkin / PARK,Mitophagy fission and fusion,RING Finger E3 Ligase

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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