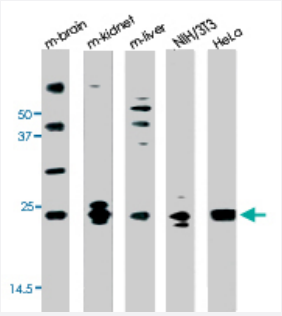
# PARK7 polyclonal antibody

Catalog # PAB4487 Size 400 uL

## Applications




### Western Blot

Western blot analysis of PARK7 polyclonal antibody (Cat # PAB4487) in mouse brain,kidney,liver tissue lysates and NIH-3T3, HeLa cell line lysates (35 ug/lane). PARK7 (arrow) was detected using the purified PARK7 polyclonal antibody (Cat # PAB4487).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of PARK7. |
| **Immunogen** | A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PARK7. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Ammonium sulfate precipitation |
| **Recommend Usage** | ELISA (1:1000)<br>Western Blot (1:100-500)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (0.09% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western blot analysis of PARK7 polyclonal antibody (Cat # PAB4487) in mouse brain,kidney,liver tissue lysates and NIH-3T3, HeLa cell line lysates (35 ug/lane). PARK7 (arrow) was detected using the purified PARK7 polyclonal antibody (Cat # PAB4487).

## Gene Info — PARK7

| | |
|---|---|
| **Entrez GeneID** | 11315 |
| **Protein Accession#** | NP_009193;Q99497 |
| **Gene Name** | PARK7 |
| **Gene Alias** | DJ-1, DJ1, FLJ27376, FLJ34360, FLJ92274 |
| **Gene Description** | Parkinson disease (autosomal recessive, early onset) 7 |
| **Omim ID** | 602533 606324 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000001348\|OTTHUMP00000001349\|OTTHUMP00000001350\|OTTHUMP00000001351\|Parkinson disease protein 7\|oncogene DJ1\|protein DJ-1 |

## Publication Reference

- DJ-1 restores p53 transcription activity inhibited by Topors/p53BP3.

  Shinbo Y, Taira T, Niki T, Iguchi-Ariga SM, Ariga H.

  International Journal of Oncology 2005 Mar; 26(3):641.

  Application: IF, WB-Tr, Human, HEK 293T, HeLa, NCI-H1299 cells

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- DJ-1, a novel regulator of the tumor suppressor PTEN.

  Kim RH, Peters M, Jang Y, Shi W, Pintilie M, Fletcher GC, DeLuca C, Liepa J, Zhou L, Snow B, Binari RC, Manoukian AS, Bray MR, Liu FF, Tsao MS, Mak TW.

  Cancer Cell 2005 Mar; 7(3):263.

  Application: IHC-P, WB, Human, A-549 cells, Human breast cancer

- Reduced anti-oxidative stress activities of DJ-1 mutants found in Parkinson's disease patients.

  Takahashi-Niki K, Niki T, Taira T, Iguchi-Ariga SM, Ariga H.

  Biochemical and Biophysical Research Communications 2004 Jul; 320(2):389.

## Disease

- Alzheimer disease
- Chromosome Disorders
- Dementia
- Disease Progression
- Genetic Predisposition to Disease
- Lewy Body Disease
- Parkinson disease
- Parkinsonian Disorders

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