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**Research Use Only. Not for diagnostic or therapeutic use.**

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB05880 - Goat Anti-PARK7 / DJ-1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** protein DJ-1, Parkinson disease protein 7, OTTHUMP00000001351, OTTHUMP00000001350, FLJ92274, FLJ34360, FLJ27376, CTA-215D11.1, oncogene DJ1, Parkinson disease (autosomal recessive, early onset) 7, DJ-1, DJ1, PARK7

**Official Symbol:** PARK7

**Accession Number(s):** NP\_001116849.1; NP\_009193.2

**Human GeneID(s):** [11315](#)

**Non-Human GeneID(s):** 57320 (mouse), 117287 (rat)

**Important Comments:** Variants (NP\_001116849.1; NP\_009193.2) encode the same protein.

### Immunogen

Peptide with sequence C-AAQVKAPLVKLD, from the C Terminus of the protein sequence according to NP\_001116849.1; NP\_009193.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 20kDa band seen in Jurkat lysate [Predicted MW of approx. 20kDa according to NP\_009193]. Recommended for use at 0.5-1µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat

### Specific References

The goat polyclonal antibody used in this paper was manufactured by us:

Baulac S, Lu H, Strahle J, Yang T, Goldberg MS, Shen J, Schlossmacher MG, Lemere CA, Lu Q, Xia W.

Increased DJ-1 expression under oxidative stress and in Alzheimer's disease brains. Mol Neurodegener. 2009 Feb 25;4:12.

**PMID:** 19243613

The goat polyclonal antibody used in this paper was manufactured by us:

Saito Y, Nishio K, Ogawa Y, Kimata J, Kinumi T, Yoshida Y, Noguchi N, Niki E.

Turning point in apoptosis/necrosis induced by hydrogen peroxide.

Free Radic Res. 2006 Jun;40(6):619-30.

**PMID:** 16753840

The goat polyclonal antibody used in this paper was manufactured by us:

Ooe H, Taira T, Iguchi-Aruga SM, Ariga H.

Induction of reactive oxygen species by bisphenol A and abrogation of bisphenol A-induced cell injury by DJ-1.

Toxicol Sci. 2005 Nov;88(1):114-26.

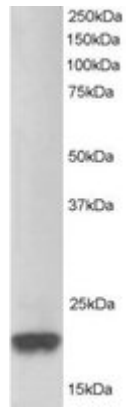
**PMID:** 16093527

The goat polyclonal antibody used in this paper was manufactured by us:  
Willis D, Li KW, Zheng JQ, Chang JH, Smit A, Kelly T, Merianda TT, Sylvester J, van  
Minnen J, Twiss JL.

Differential transport and local translation of cytoskeletal, injury-response, and  
neurodegeneration protein mRNAs in axons.

J Neurosci. 2005 Jan 26;25(4):778-91.

**PMID:** 15673657



EB05880 staining (1 $\mu$ g/ml) of Jurkat lysate (RIPA buffer, 30 $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.