ELK Biotechnology

PARK7 rabbit pAb

Cat No.:ES3150

For research use only

Overview

Product Name	PARK7 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human DJ-1. AA range:21-70
Specificity	PARK7 Polyclonal Antibody detects endogenous levels of PARK7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Protein DJ-1
Gene Name	PARK7
Cellular localization	Cell membrane ; Lipid-anchor . Cytoplasm . Nucleus . Membrane raft . Mitochondrion . Endoplasmic reticulum . Under normal conditions, located predominantly in the cytoplasm and, to a lesser extent, in the nucleus and mitochondrion. Translocates to the mitochondrion and subsequently to the nucleus in response to oxidative stress and exerts an increased cytoprotective effect against oxidative damage (PubMed:18711745). Detected in tau inclusions in brains from neurodegenerative disease patients (PubMed:14705119). Membrane raft localization in astrocytes and neuronal cells requires palmitoylation. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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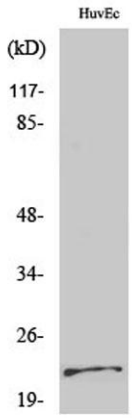
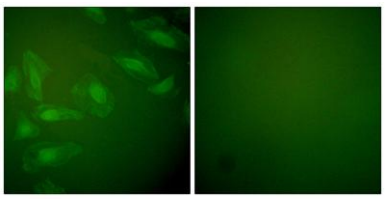
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	22kD
Human Gene ID	11315
Human Swiss-Prot Number	Q99497
Alternative Names	PARK7; Protein DJ-1; Oncogene DJ1; Parkinson disease protein 7
Background	The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive 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, Jul 2008],



Western Blot analysis of various cells using PARK7 Polyclonal Antibody

Immunofluorescence analysis of HeLa cells, using DJ-1 Antibody. The picture on the right is blocked with the synthesized peptide.



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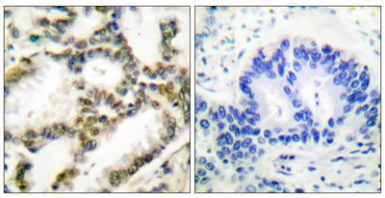
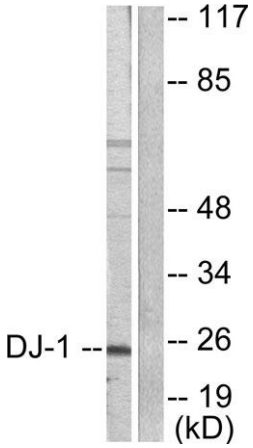


Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using DJ-1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using DJ-1 Antibody. The lane on the right is blocked with the synthesized peptide.

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