Protein DJ-1 Polyclonal Antibody

Catalog No: #42400

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Description

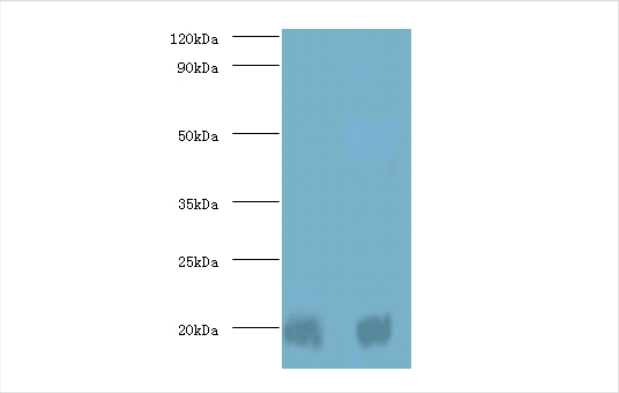
Product Name	Protein DJ-1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Protein DJ-1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Protein DJ-1 protein
Target Name	Protein DJ-1
Other Names	Oncogene DJ1, Parkinson disease protein 7
Accession No.	Swiss-Prot#: Q99497
Uniprot	Q99497
GeneID	11315;
Calculated MW	20kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

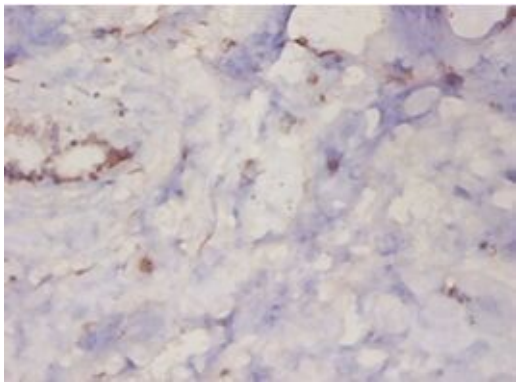
Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

Images



All lanes : Protein DJ-1 antibody at 2ug/ml
Lane 1 : EC109 whole cell lysate
Lane 2 : 293T whole cell lysate
Secondary
Goat polyclonal to Rabbit IgG at 1/15000 dilution
Predicted band size : 20 kDa
Observed band size: 20kDa



Immunohistochemical analysis of paraffin-embeded human mammary gland using #42400 at dilution of 1:50.

Background

PARK7/DJ1 is a ubiquitously expressed protein involved in various cellular processes including cell proliferation, RNA-binding, and oxidative stress. The protein has been found to colocalize within a subset of pathologic tau inclusions in a diverse group of neurodegenerative disorders known as tauopathies (Rizzu et al. 2004). Defects in PARK7/DJ1 are the cause of autosomal recessive early-onset Parkinson's disease 7 (PARK7). Parkinson's disease (PD) is a complex, multifactorial disorder that typically manifests after the age of 50 years. The disease is characterized by bradykinesia, resting tremor, muscular rigidity and postural instability. The pathology involves the loss of dopaminergic neurons in the substantia nigra and the presence of Lewy bodies (intraneuronal accumulations of aggregated proteins), in surviving neurons in various areas of the brain. PARK7 is characterized by onset before 40 years and slow progression. It has also been suggested that PARK7/DJ1 is a mitogen dependent oncogene product involved in Ras related signal transduction pathways.

References

[1] "DJ-1, a novel oncogene which transforms mouse NIH3T3 cells in cooperation with ras."Nagakubo D., Taita T., Kitaura H., Ikeda M., Tamai K., Iguchi-Ariga S.M.M., Ariga H.Biochem. Biophys. Res. Commun. 231:509-513(1997) [2] "Homo sapiens RNA-binding p

Note: This product is for in vitro research use only