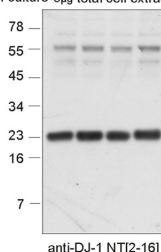


Rabbit polyclonal antibody to DJ-1/PARK7: IgG

Catalogue No.:	R-1682-500
Description:	Autosomal recessive mutations in DJ-1 cause early-onset familial Parkinson's disease. DJ-1 is considered a redox-sensitive cytoplasmic protein found in brain as well as other cell types.
Batch No.:	See product label
Unit size:	500 ug
Antigen:	A synthetic peptide (ASKRALVILAKGAE-C) corresponding to human DJ-1 [2-16] in the N-terminal domain conjugated via additional C-terminal Cys to Diphtheria toxoid.
Antibody Type:	Polyclonal
Other Names:	PARK7
Produced in:	Rabbit
Applications:	WB and IHC. Suggested dilution of 1:5,000 is recommended for WB. DJ-1 is a soluble protein of 189 amino acids and detected with 23 kDa mobility by western blotting. The suggested dilution for IHC is 1:100. Detected astrocyte cytoplasmic labelling in human brain formaldehyde-treated tissue. Biosensis recommends that the optimal working dilution should be determined by the end user.
Specificity:	Confirmed by WB using soluble mouse and human brain extracts, reactivity for major product diminished by peptide absorption.
Species Against:	Human and mouse DJ-1 are highly conserved, so cross-reactivity with other species is expected.
Form:	Lyophilized from PBS, pH 7.4. Contains no preservative.
Reconstitution:	Reconstitute in 500 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	Short term storage at 2-8C for one week. At -20C as an undiluted liquid for up to 12 months.
Expiry Date:	12 months after purchase
General References:	Sonia George, Su San Mok, Milawaty Nurjono, Scott Ayton, David I. Finkelstein, Colin L. Masters, Qiao-Xin Li & Janetta G. Culvenor (2010) alpha-Synuclein Transgenic Mice Reveal Compensatory Increases in Parkinson's Disease-Associated Proteins DJ-1 and Parkin and Have Enhanced alpha-Synuclein and PINK1 Levels After Rotenone Treatment J Mol Neurosci 42:243_254

Primary embryonic mouse cortical neurons after 7 days in culture 5ug total cell extract per lane



Western blotting for DJ-1 in extracts of primary cultured neurons. Samples resolved on 10% Tris-tricine gels and transferred to nitrocellulose membrane for blotting.

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