Datasheet: HCA024

Description: HUMAN ANTI HUMAN DJ-1 (OXIDIZED AT C106)

Specificity: DJ-1 (OXIDIZED AT C106)

Other names: PARK7

Format: Purified

Product Type: Monoclonal Antibody

Clone: AbD03055

Isotype: HuCAL Fab bivalent

Quantity: 0.1 mg

Product Details

RRID: AB_2160114

Applications

<table>
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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species: Human

Product Form: A bivalent human recombinant Fab (lambda light chain) selected from the HuCAL® GOLD phage display library. Expressed in *E. coli* and purified using NiNTA affinity chromatography. This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLI деятельности) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain.

Preparation: Metal chelate affinity chromatography

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.01% Thiomersal

Approx. Protein Concentrations: Antibody concentration 0.5 mg/ml
Immunogen

DJ-1 peptide oxidized at C106 (sequence LIAAIC(SO3)AGPTA).

External Database Links

UniProt: Q99497

Related reagents

Entrez Gene:

11315 PARK7

Related reagents

Specificity

Human anti Human DJ-1 antibody, clone AbD03055 recognizes the human DJ-1 oncogene only when it is oxidized on cysteine C106. DJ-1 plays roles in transcriptional regulation and reaction to anti-oxidative stress. The oxidation status of DJ-1, particularly at C106, modulates the function of DJ-1 (Canet-Avilés et al. 2004). De-regulation of DJ-1 oxidation appears to be connected to the onset of conditions such as Parkinson’s Disease (Abou-Sleiman et al. 2003).

References


Storage

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Acknowledgements

Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. By purchasing this product, you agree that your Name and Affiliation will be sent to Dr. Ariga, Hokkaido University, who first published this antibody in the journal Neuroscience Letters (Vol. 404, pp.166-169, 2006). His-tag is a registered trademark of EMD Biosciences.

Health And Safety Information


Licensed Use

For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.

Regulatory

For research purposes only

Technical Advice

Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual

Related Products
Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995…) HRP
Mouse Anti Human C-MYC (MCA2200…) HRP