

Drosophila DJ-1A (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6416a**Specification**

Drosophila DJ-1A (C-term) Blocking Peptide - Product Information

Primary Accession [A1Z9J4](#)
Other Accession [Q9V6V5](#)

Drosophila DJ-1A (C-term) Blocking Peptide - Additional Information

Gene ID 36543

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6416a](/product/products/AP6416a) was selected from the C-term region of human Drosophila DJ-1A (C-term). A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Drosophila DJ-1A (C-term) Blocking Peptide - Protein Information

Name DJ-1alpha {ECO:0000312|FlyBase:FBgn0033885}

Function

Plays an important role in cell protection against oxidative stress and cell death acting as oxidative stress sensor (PubMed: [16139213](http://www.uniprot.org/citations/16139213), PubMed: [16139214](http://www.uniprot.org/citations/16139214), PubMed: [20457924](http://www.uniprot.org/citations/20457924)). Does not play a role in methylglyoxal detoxification (By similarity).

Cellular Location

Cytoplasm. Nucleus. Mitochondrion

Tissue Location

Expressed in testis (at protein level).

Drosophila DJ-1A (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Drosophila DJ-1A (C-term) Blocking Peptide - Images

Drosophila DJ-1A (C-term) Blocking Peptide - Background

DJ-1 mutations are associated with rare forms of autosomal recessive early-onset Parkinson's disease (PD). DJ-1 is suggested to normally function as a redox-sensitive molecular chaperone protective against cellular oxidative stress. DJ-1 drosophila models are an important tool for elucidating protein function and for modeling neurodegenerative disease.

Drosophila DJ-1A (C-term) Blocking Peptide - References

Moore DJ, et al. Sci Aging Knowledge Environ. 2006 Jan 11;2006(2):pe2. Park J, et al. Gene. 2005 Nov 21;361:133-9. Yang Y, et al. Proc Natl Acad Sci U S A. 2005 Sep 20;102(38):13670-5. Menzies FM, et al. Curr Biol. 2005 Sep 6;15(17):1578-82. Meulener M, et al. Curr Biol. 2005 Sep 6;15(17):1572-7. Meulener M, et al. J Neurochem. 2005 Jun;93(6):1524-32.