

**MSRB2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6980c****Specification**

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**MSRB2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O9Y3D2](#)**MSRB2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 22921**Other Names**

Methionine-R-sulfoxide reductase B2, mitochondrial, MsrB2, 184-, MSRB2, CBS-1, MSRB

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6980c](/products/AP6980c) was selected from the Center region of human MSRB2. 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.

**MSRB2 Antibody (Center) Blocking Peptide - Protein Information****Name** MSRB2**Synonyms** CBS-1, MSRB**Function**

Methionine-sulfoxide reductase that specifically reduces methionine (R)-sulfoxide back to methionine. While in many cases, methionine oxidation is the result of random oxidation following oxidative stress, methionine oxidation is also a post-translational modification that takes place on specific residue. Upon oxidative stress, may play a role in the preservation of mitochondrial integrity by decreasing the intracellular reactive oxygen species build-up through its scavenging role, hence contributing to cell survival and protein maintenance.

**Cellular Location**

Mitochondrion

**Tissue Location**

Ubiquitous. Detected in retina, ocular ciliary body, skeletal muscle, heart, colon, bone marrow, cerebellum, small intestine, fetal brain, fetal liver, kidney, spinal cord, lung, placenta and prostate.

**MSRB2 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MSRB2 Antibody (Center) Blocking Peptide - Images****MSRB2 Antibody (Center) Blocking Peptide - Background**

MSRB2 catalyzes the reduction of free and protein-bound methionine sulfoxide to methionine.

**MSRB2 Antibody (Center) Blocking Peptide - References**

Cabreiro,F., et.al., J. Biol. Chem. 283 (24), 16673-16681 (2008)