

SELENBP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8869b**Specification****SELENBP1 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q13228](#)
Other Accession [NP_003935](#)

SELENBP1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 8991

Other Names

Selenium-binding protein 1, 56 kDa
selenium-binding protein, SBP56, SP56,
SELENBP1, SBP

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8869b](/products/AP8869b) was selected from the C-term region of human SELENBP1. 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.

SELENBP1 Antibody (C-term) Blocking Peptide - Protein Information

Name SELENBP1

SELENBP1 Antibody (C-term) Blocking Peptide - Background

SELENBP1 is the selenium-binding protein family. Selenium is an essential nutrient that exhibits potent anticarcinogenic properties, and deficiency of selenium may cause certain neurologic diseases. It has been proposed that the effects of selenium in preventing cancer and neurologic diseases may be mediated by selenium-binding proteins.

SELENBP1 Antibody (C-term) Blocking Peptide - References

Kanazawa,T.,et.al., Schizophr. Res. 113 (2-3), 268-272 (2009)

Synonyms SBP

Function

Catalyzes the oxidation of methanethiol, an organosulfur compound known to be produced in substantial amounts by gut bacteria (PubMed:29255262). Selenium-binding protein which may be involved in the sensing of reactive xenobiotics in the cytoplasm. May be involved in intra-Golgi protein transport (By similarity).

Cellular Location

Nucleus. Cytoplasm, cytosol Membrane {ECO:0000250|UniProtKB:Q8VIF7}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8VIF7}. Note=May associate with Golgi membrane (By similarity). May associate with the membrane of autophagosomes (By similarity). {ECO:0000250|UniProtKB:Q8VIF7}

Tissue Location

Widely expressed. Highly expressed in liver, lung, colon, prostate, kidney and pancreas. In brain, present both in neurons and glia (at protein level). Down-regulated in lung adenocarcinoma, colorectal carcinoma and ovarian cancer. Two-fold up-regulated in brain and blood from schizophrenia patients.

SELENBP1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)