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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 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

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

SELENBP1 Antibody (C-term) Blocking Peptide - Images

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)