

#### **KD-Validated Anti-SELENBP1 Mouse Monoclonal Antibody**

Mouse monoclonal Antibody Catalog # AGI2167

## **Specification**

## **KD-Validated Anti-SELENBP1 Mouse Monoclonal Antibody - Product Information**

Application WB
Primary Accession
Reactivity
Clonality
Isotype
WB
013228
Human
Monoclonal
Mouse IgG2a

Calculated MW Predicted, 52 kDa, observed, 50 kDa KDa

Gene Name SELENBP1

Aliases SELENBP1; Selenium Binding Protein 1;

Methanethiol Oxidase; HSBP; LPSB; 56 KDa Selenium-Binding Protein; HSP56; SBP56; SP56; MTO; Epididymis Secretory Sperm Binding Protein Li 134P; Selenium-Binding Protein 1: HEL-S-134P: EC 1.8.3.4: EHMTO:

SBP

Immunogen Recombinant protein of human SELENB1

## KD-Validated Anti-SELENBP1 Mouse Monoclonal Antibody - Additional Information

Gene ID **8991** 

**Other Names** 

Methanethiol oxidase, MTO, 1.8.3.4, 56 kDa selenium-binding protein, SBP56, SP56, Selenium-binding protein 1, SELENBP1, SBP

#### KD-Validated Anti-SELENBP1 Mouse Monoclonal Antibody - 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:<a

href="http://www.uniprot.org/citations/29255262" target="\_blank">29255262</a>).

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**

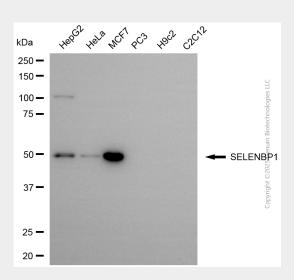
Widely expressed. Highly expressed in liver, lung, colon, prostate, kidney and pancreas. In brain, present both in neurons and glia (at protein level). Down-regulated in lung adenocarcinoma, colorectal carcinoma and ovarian cancer. Two-fold up-regulated in brain and blood from schizophrenia patients.

## **KD-Validated Anti-SELENBP1 Mouse Monoclonal Antibody - Protocols**

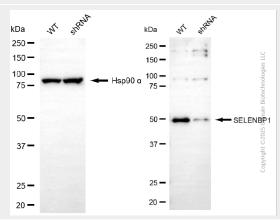
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# KD-Validated Anti-SELENBP1 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-SELENBP1 antibody (Cat#AGI2167). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SELENBP1 antibody (Cat#AGI2167, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.







Tel: 858.875.1900 Fax: 858.875.1999

Western blotting analysis using anti-SELENBP1 antibody (Cat#AGI2167). SELENBP1 expression in wild-type (WT) and SELENBP1 shRNA knockdown (KD) HeLa cells with 20 μg of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-SELENBP1 antibody (Cat#AGI2167, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.