

KD-Validated Anti-SELENBP1 Mouse Monoclonal Antibody

Mouse monoclonal Antibody
Catalog # AGI2167

Product Information

Application	WB
Primary Accession	Q13228
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	24GB13995
Calculated MW	52391
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; EHMT0; SBP
Immunogen	Recombinant protein of human SELENBP1

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

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.