

Rabbit anti-Human SELENBP1 Polyclonal Antibody | anti-SELENBP1 antibody

Anti-SELENBP1 Antibody, Rabbit Polyclonal

CATALOG # AAA256340	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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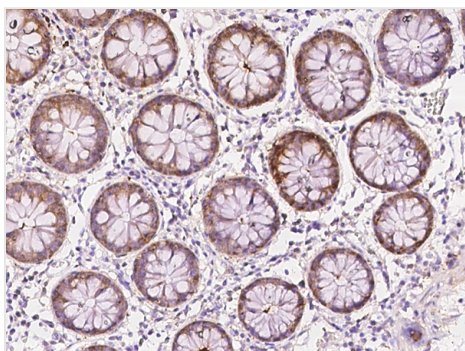
PRODUCT SYNONYMS

SELENBP1; Polyclonal Antibody; Anti-SELENBP1 Antibody; Rabbit Polyclonal; SELENBP1 Antibody; Rabbit PAb; Antigen Affinity Purified; selenium binding protein 1; Anti-HEL-S-134P Antibody; Anti-hSBP Antibody; Anti-LPSB Antibody; Anti-SBP56 Antibody; Anti-SP56 Antibody; anti-SELENBP1 antibody

PRODUCT SPECIFICATIONS

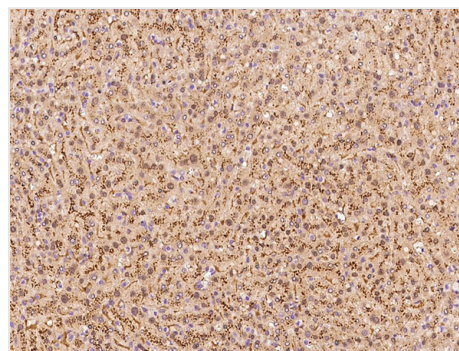
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SELENBP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SELENBP1 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human SELENBP1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SELENBP1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human SELENBP1 in human colon with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human SELENBP1 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SELENBP1 antibody	Selenium-binding protein 1 (Selenbp1), an Nkx2-1 effector that limits phenotypes associated with lung cancer growth and metastasis, was investigated further. Loss-and gain-of-function approaches demonstrate that Nkx2-1 is required and sufficient for Selenbp1 expression in lung adenocarcinoma cells. SELENBP1 expression is reduced markedly in many types of cancers and low SELENBP1 expression levels are associated with poor patient prognosis. Selenbp1 is suggested to play a role in tumor suppression and may be involved in the toxicity produced by dioxin, an activator of aryl hydrocarbon receptors (AhR). SELENBP1 is associated with cellular redox and thiol homeostasis in several respects, including its established role as a methanethiol oxidase that is involved in the degradation of methanethiol, a methionine catabolite, generating hydrogen sulfide (H2S) and hydrogen peroxide (H2O2).
References	Tsujimoto S, et al. (2013) Selenium-binding protein 1: Its physiological function, dependence on aryl hydrocarbon receptors, and role in wasting syndrome by 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin. Biochim Biophys Acta 1830 (6): 3616-3624.Kohnlein K, et al. (2020) A caenorhabditis elegans ortholog of human selenium-binding protein 1 is a pro-aging factor protecting against selenite toxicity. Redox Biol 28 101323.Chen F, et al. (2016) Selenium-binding protein 1 in head and neck cancer is low-expression and associates with the prognosis of nasopharyngeal carcinoma. Medicine (Baltimore) 95 (35): e4592.Caswell DR, et al. (2018) Tumor suppressor activity of selenbp1, a direct nkx2-1 target, in lung adenocarcinoma. Mol Cancer Res 16 (11): 1737-1749.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/selenbp1-antibody-immunohistochemistry-elisa/256340>