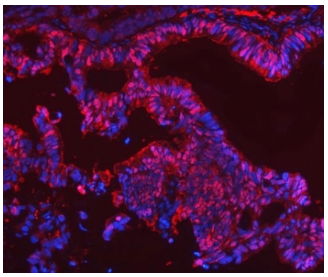
Selenium Binding Protein Antibody / SELENBP1 / SBP (RQ7618)

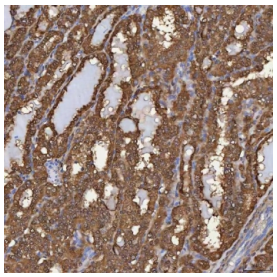
Catalog No.	Formulation	Size
RQ7618	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

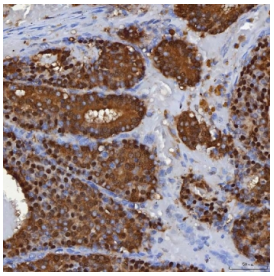
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13228
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Selenium Binding Protein antibody is available for research use only.



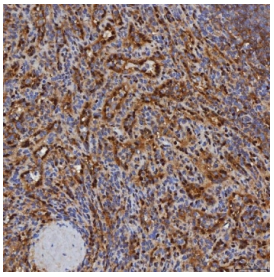
Immunofluorescent staining of FFPE human rectal cancer tissue with Selenium Binding Protein antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



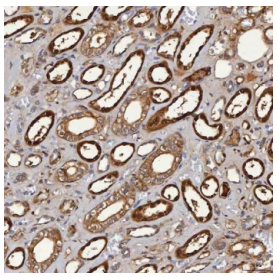
IHC staining of FFPE human thyroid cancer tissue with Selenium Binding Protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



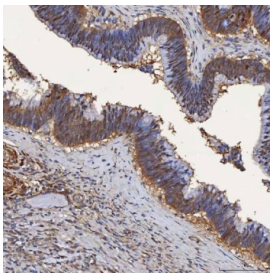
IHC staining of FFPE human breast cancer tissue with Selenium Binding Protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



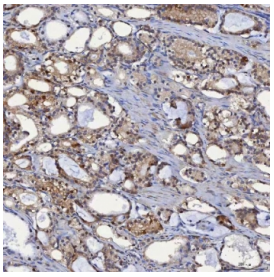
IHC staining of FFPE human spleen tissue with Selenium Binding Protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



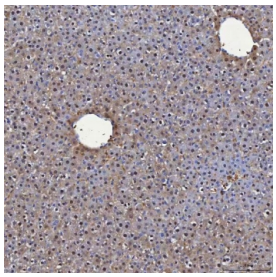
IHC staining of FFPE human renal cancer tissue with Selenium Binding Protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



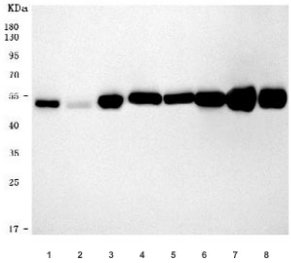
IHC staining of FFPE human colon adenocarcinoma tissue with Selenium Binding Protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



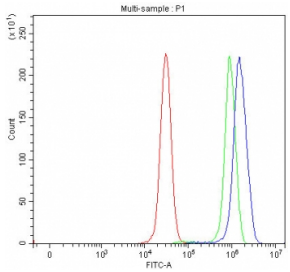
IHC staining of FFPE human prostate adenocarcinoma tissue with Selenium Binding Protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat liver tissue with Selenium Binding Protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human A549, 3) rat liver, 4) rat lung, 5) rat kidney, 6) mouse liver, 7) mouse lung and 8) mouse kidney tissue lysate with Selenium Binding Protein antibody. Predicted molecular weight: 45-57 kDa (multiple isoforms).



Flow cytometry testing of human 293T cells with Selenium Binding Protein antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Selenium Binding Protein antibody.

Description

Selenium-binding protein 1, also known as SELENBP1 or SBP is a protein that in humans is encoded by the SLELNBP1 gene. This gene is mapped to 1q21.3. This gene encodes a member of the selenium-binding protein family. Selenium is an essential nutrient that exhibits potent anticarcinogenic properties, and deficiency of selenium may cause certain neurologic diseases. The effects of selenium in preventing cancer and neurologic diseases may be mediated by selenium-binding proteins, and decreased expression of this gene may be associated with several types of cancer. The encoded protein may play a selenium-dependent role in ubiquitination/deubiquitination-mediated protein degradation.

Application Notes

Optimal dilution of the Selenium Binding Protein antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R23-P462) was used as the immunogen for the Selenium Binding Protein antibody.

Storage

After reconstitution, the Selenium Binding Protein antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.