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Rabbit Anti-Selenium Binding Protein 1 antibody

SL4200R

Product Name:	Selenium Binding Protein 1
Chinese Name:	硒Binding protein1抗体
Alias:	56 kDa selenium binding protein; 56 kDa selenium-binding protein; hSBP; LPSB; SBP; SBP1; SBP1_HUMAN; SBP56; Selenbp1; Selenbp2; Selenium binding protein 2; Selenium binding protein1; Selenium-binding protein 1; SELNBP1; SP56.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	52kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SBP1/Selenium Binding Protein 1:401-472/472
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Selenium is an essential trace element that confers tolerance to toxicity arising through exposure to heavy metals or other reactive xenobiotics. Selenium exhibits potent anticarcinogenic properties, and deficiency of selenium may cause certain neurologic diseases. Both effects are attributed to selenium-binding proteins. Selenium binding

protein 1 is down-regulated in lung adenocarcinoma, colorectal cander and ovarian cancer. It is two-fold upregulated in the brains of patients suffering from schizophrenia, and is therefore a biomarker for this disease.

Function:
Selenium-binding protein which may be involved in the sensing of reactive xenobiotics in the cytoplasm. May be involved in intra-Golgi protein transport.

Subunit:
Interacts with USP33.

Subcellular Location:
Nucleus. Cytoplasm, cytosol. Membrane; Peripheral membrane protein. Note=May associate with Golgi membrane. May associate with the membrane of autophagosomes.

Tissue Specificity:
Present in liver and colon (at protein level).

Post-translational modifications:
The N-terminus is blocked.

Similarity:
Belongs to the selenium-binding protein family.

SWISS:
Q13228

Gene ID:
8991

Database links:

Entrez Gene: 8991 Human

Entrez Gene: 20341 Mouse

Entrez Gene: 140927 Rat

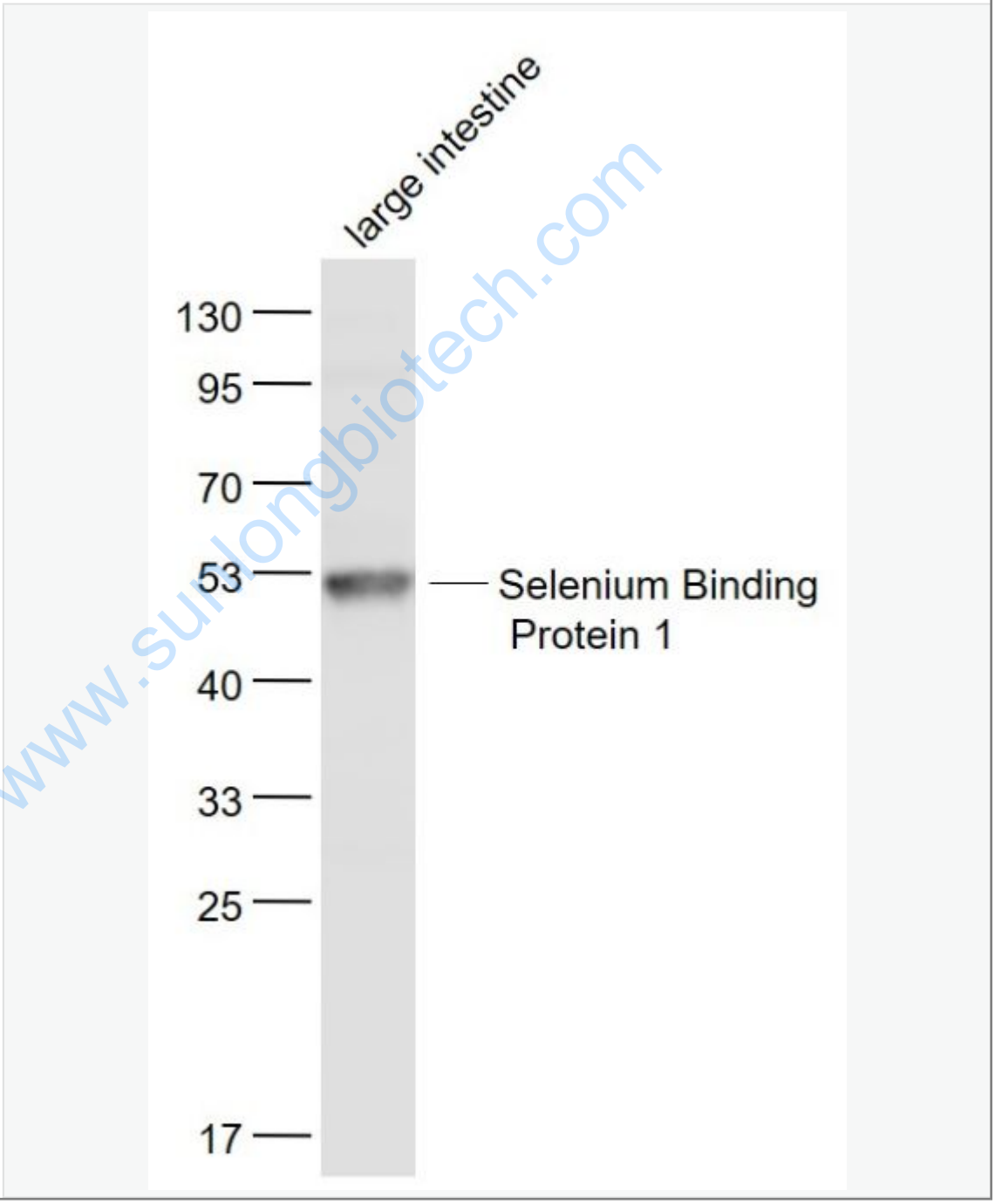
Omim: 604188 Human

SwissProt: Q13228 Human

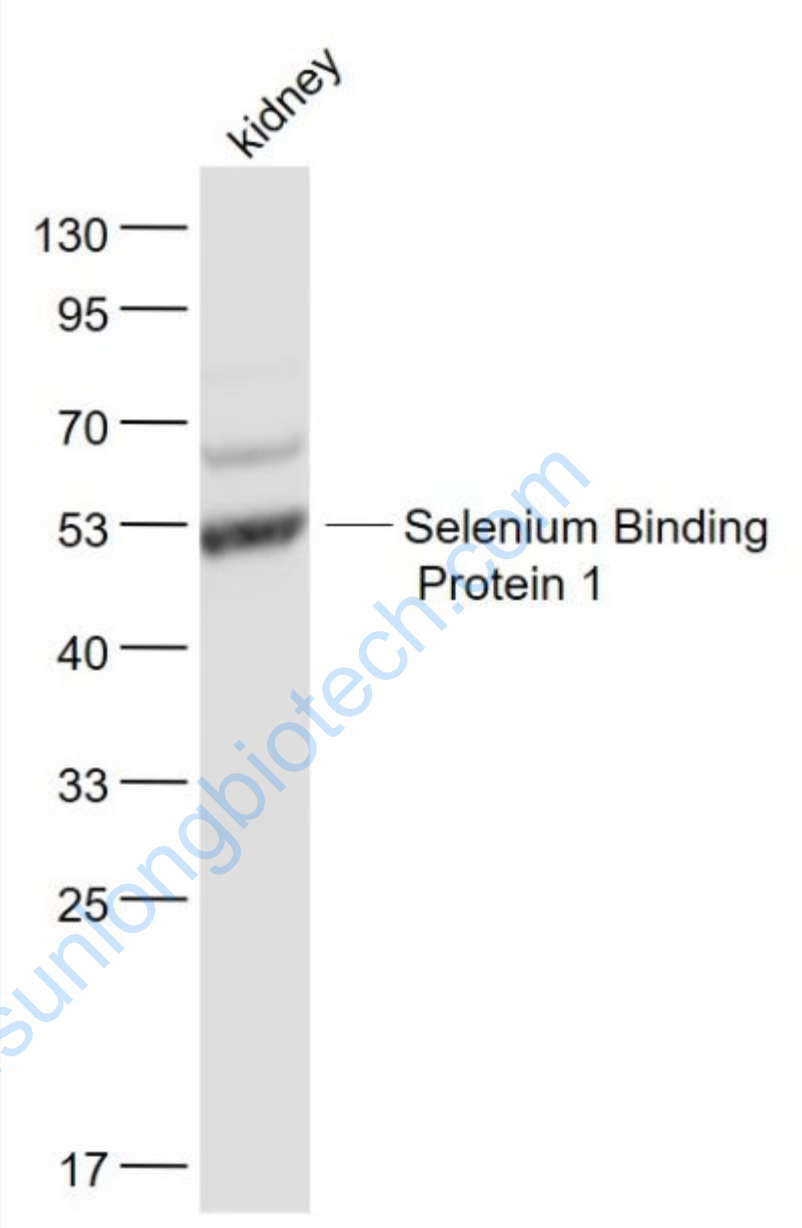
SwissProt: P17563 Mouse

SwissProt: Q8VIF7 Rat

Unigene: 632460 Human

	Unigene: 16617 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	

	Sample: Large intestine (Mouse) Lysate at 40 ug Primary: Anti- Selenium Binding Protein 1 (SL4200R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD



Sample:

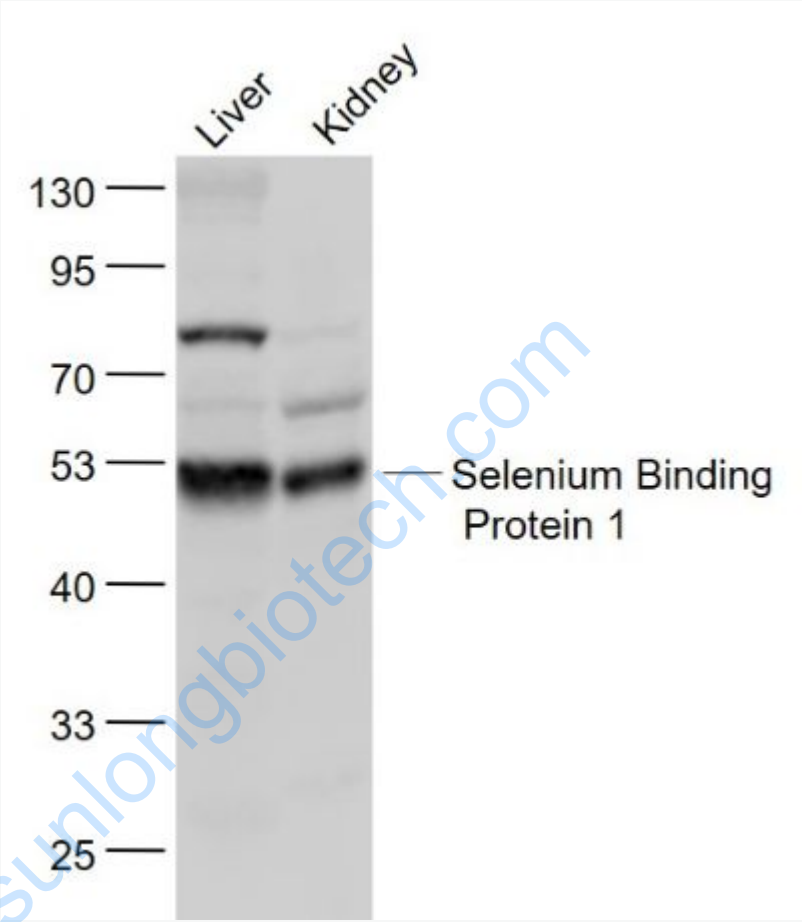
Kidney (Mouse) Lysate at 40 ug

Primary: Anti- Selenium Binding Protein 1 (SL4200R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

Observed band size: 52 kD



Sample:

Liver (Mouse) Lysate at 40 ug

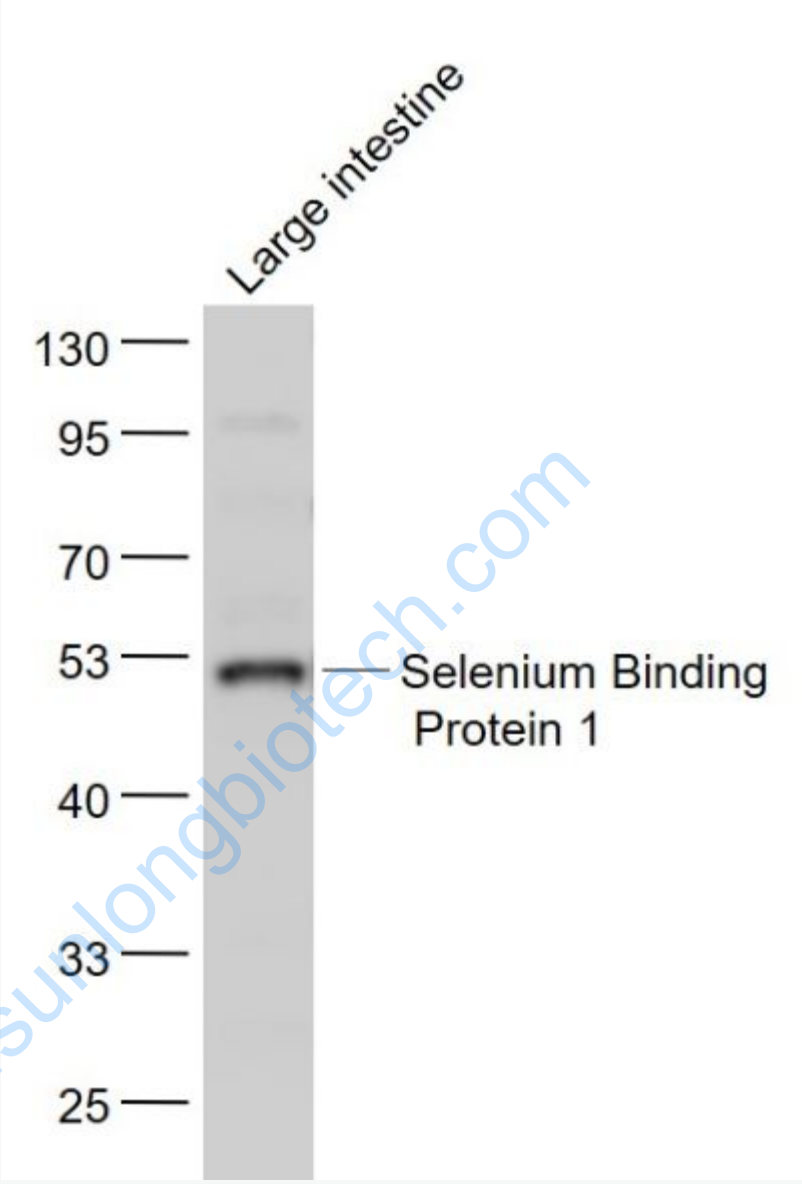
Kidney (Mouse) Lysate at 40 ug

Primary: Anti- Selenium Binding Protein 1 (SL4200R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

Observed band size: 52 kD



Sample:

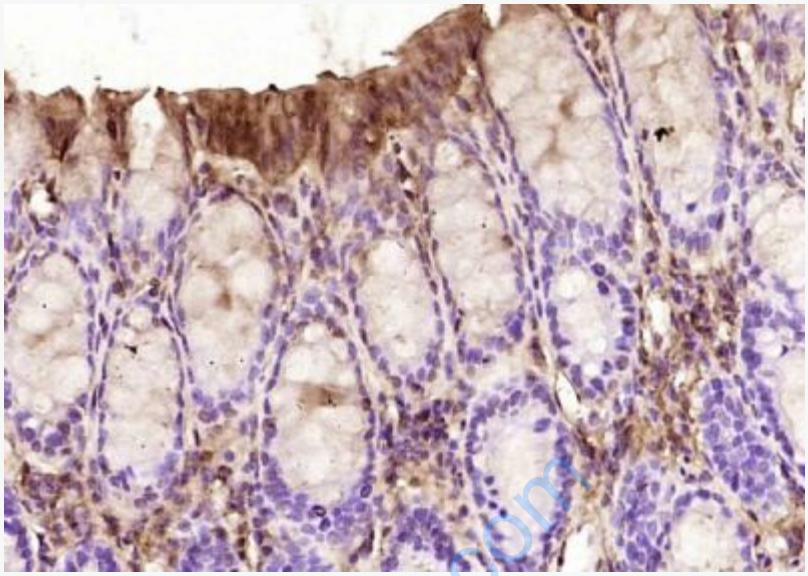
Large intestine (Mouse) Lysate at 40 ug

Primary: Anti- Selenium Binding Protein 1 (SL4200R) at 1/1000 dilution

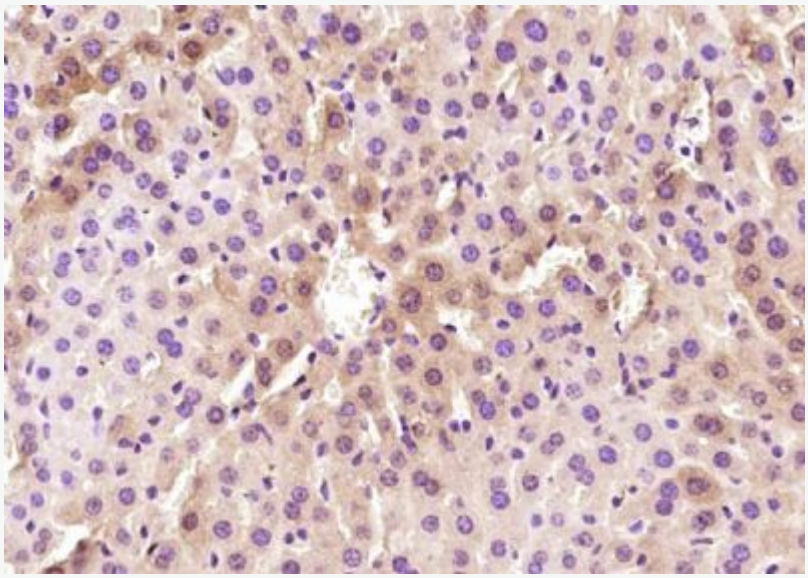
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

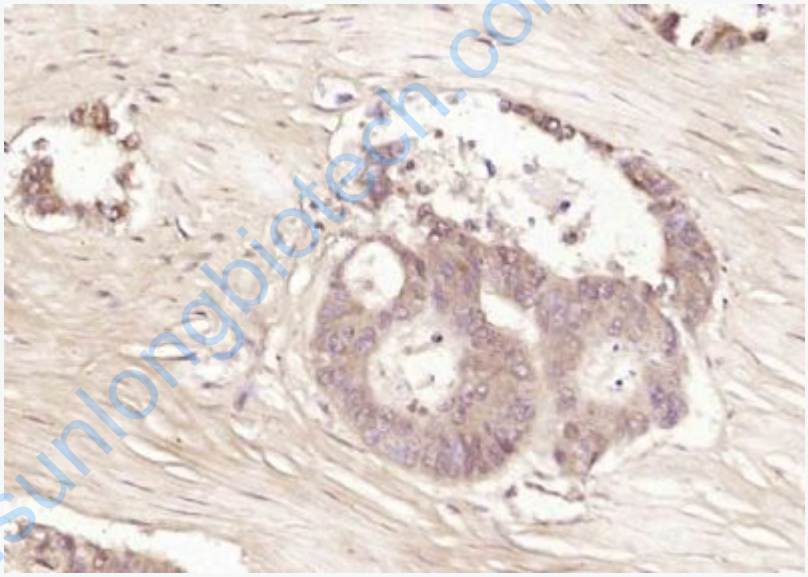
Observed band size: 52 kD



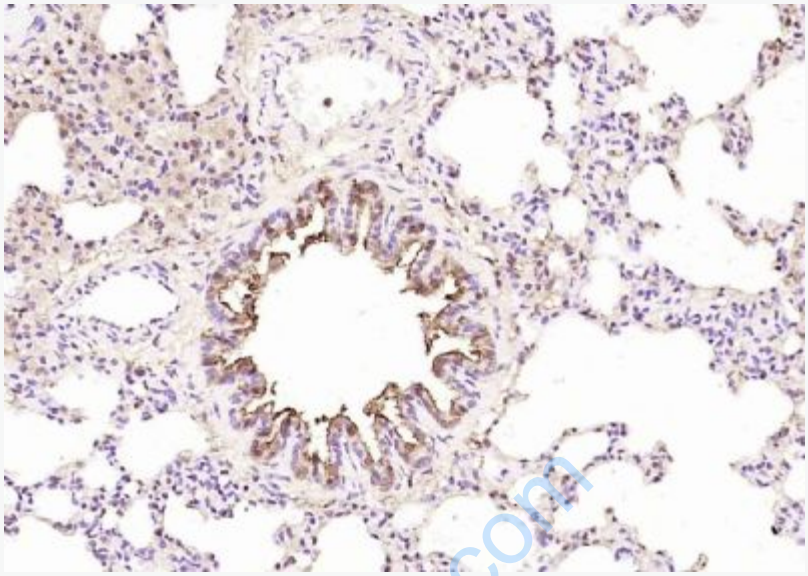
Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GDNF) Polyclonal Antibody, Unconjugated (SL4200R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Selenium Binding Protein 1) Polyclonal Antibody, Unconjugated (SL4200R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Selenium Binding Protein 1) Polyclonal Antibody, Unconjugated (SL4200R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Selenium Binding Protein 1) Polyclonal Antibody, Unconjugated (SL4200R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.