

Datasheet for ABIN6939486
anti-SERBP1 antibody (AA 3-139)

5 Images

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Overview

Quantity:	100 µg
Target:	SERBP1
Binding Specificity:	AA 3-139
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SERBP1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human SERBP1 protein (around aa3-139) (exact sequence is proprietary)
Clone:	SERBP1-3491
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	SERBP1
Alternative Name:	SERBP1 (SERBP1 Products)
Background:	PAI-RBP1 (plasminogen activator inhibitor 1 RNA-binding protein), also known as SERBP1

Target Details

(SERPINE1 mRNA-binding protein 1), CGI-55, CHD3IP (chromodomain helicase DNA binding protein 3 interacting protein), HABP4L or PAI-RBP1, is a membrane-associated protein that localizes to the nucleus, the perinuclear region of the cytoplasm and the plasma membrane. PAI-RBP1 is believed to play a role in the regulation of mRNA stability, as it specifically binds to the CRS (cyclic nucleotide-responsive sequence) motif of the PAI-1 mRNA and acts to stabilize the mRNA and regulate its expression. In addition, PAI-RBP1 interacts with Mi2- and may be involved in chromatin remodeling. PAI-RBP1 also interacts with PGRMC1 and participates in the transduction of Progesterone's antiapoptotic action in ovarian cell types. The gene encoding PAI-RBP1 is overexpressed in ovarian cancer, suggesting a possible role for PAI-RBP1 in tumorigenesis and tumor metastasis.

Molecular Weight: 60kDa

Gene ID: 26135

UniProt: [Q8NC51](#)

Application Details

Application Notes: Positive Control: Human kidney or bladder tissue (IHC).
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

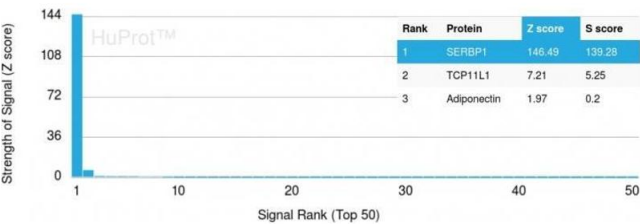
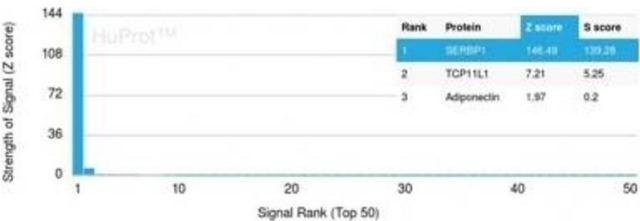
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

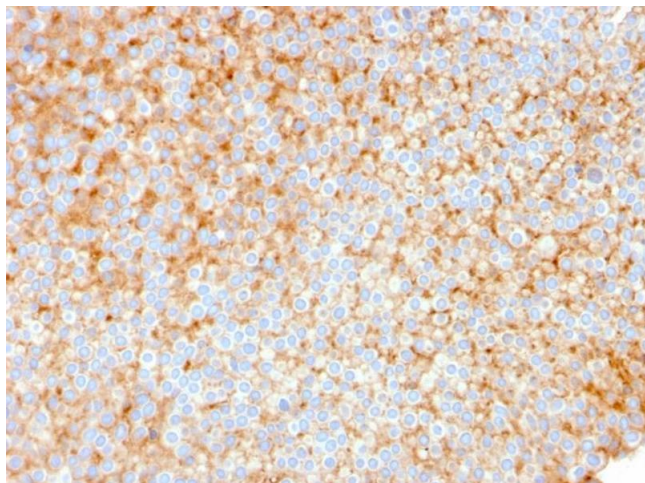
Western Blotting

Image 1. Western Blot Analysis of K562 and PC3 cell lysate using SERBP1 Mouse Monoclonal Antibody (SERBP1/3491).

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using PAI-RBP1 Mouse Monoclonal Antibody (SERBP1/3491). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.





Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Urothelial Carcinoma stained with PAI-RBP1 Mouse Monoclonal Antibody (SERBP1/3491).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939486.