

Mouse anti-Human PAI-RBP1/SERBP1/SERPINE1 Monoclonal Antibody | anti-SERBP1 antibody

PAI-RBP1/SERBP1/SERPINE1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214986	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

PAI-RBP1/SERBP1/SERPINE1; Monoclonal Antibody; CGI 55; CHD3IP; Chromodomain helicase DNA binding protein 3 interacting protein; HABP4L; PAI1 RNA-binding protein 1; PAIRBP1; Plasminogen activator inhibitor 1 RNA binding protein; SERPINE1 mRNA binding protein 1; anti-SERBP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2c, kappa
Clone Number	SERBP1/3496
Specificity	PAI-RBP1 (plasminogen activator inhibitor 1 RNA-binding protein), also known as SERBP1 (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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	408
Applicable Applications for anti-SERBP1 antibody	IHC (Immunohistochemistry)
Positive Control	Human kidney or bladder tissue (IHC).
Immunogen	Recombinant fragment of human SERBP1 protein (around aa3-139) (exact sequence is proprietary)
Cellular Localization	Cytoplasm and nucleus. Also found in perinuclear regions.
Hu-chromosome Location	1p31.3
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using PAI-RBP1 Mouse Monoclonal Antibody (SERBP1/3496). 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.



SDS-PAGE

SDS-PAGE Analysis Purified PAI-RBP1 Mouse Monoclonal Antibody (SERBP1/3496). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Kidney stained with PAI-RBP1 Mouse Monoclonal Antibody (SERBP1/3496).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Urothelial Carcinoma stained with PAI-RBP1 Mouse Monoclonal Antibody (SERBP1/3496).

ADDITIONAL INFORMATION

References	Heaton, J.H., et al. 2001. Journal of Biological Chemistry 276: 3341-3347.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66346679
NCBI GeneID	26135
NCBI Accession #	NP_001018077
NCBI GenBank Nucleotide #	NP_001018077.1
UniProt Accession #	Q8NC51
Molecular Weight	60kDa
NCBI Official Full Name	plasminogen activator inhibitor 1 RNA-binding protein isoform 1
NCBI Official Synonym Full Names	SERPINE1 mRNA binding protein 1
NCBI Official Symbol	SERBP1
NCBI Official Synonym Symbols	CGI-55; CHD3IP; HABP4L; PAIRBP1; PAI-RBP1
NCBI Protein Information	plasminogen activator inhibitor 1 RNA-binding protein
UniProt Protein Name	Plasminogen activator inhibitor 1 RNA-binding protein
UniProt Gene Name	SERBP1
UniProt Synonym Gene Names	PAIRBP1; PAI-RBP1
UniProt Entry Name	PAIRB_HUMAN

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