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SERBP1 Rabbit pAb

Catalog # AP98274

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8NC51
Other Accession	Q8NC51
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44965
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SERBP1
Epitope Specificity	301-408/408
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Interacts with CHD3 and TDRD3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SERBP1 (Plasminogen activator inhibitor 1 RNA-binding protein) may play a role in the regulation of mRNA stability. SERBP1 binds to the 3'-most 134 nt of the SERPINE1/PAI1 mRNA, a region which confers cyclic nucleotide regulation of message decay. SERBP1 interacts with CHD3 and is localized in cytoplasmic and nuclear. It is expressed at high level in the heart, skeletal muscle and kidney, and at low levels in placenta, liver and brain.

Additional Information

Gene ID	26135
Other Names	CGI-55; CHD3IP; HABP4L; Hero45; PAI-RBP1; PAIRBP1; 1200009K13Rik; 9330147J08Rik; Rda288; SERB1_HUMAN; SERBP1; PAI1 RNA-binding protein 1 (PAI-RBP1); Plasminogen activator inhibitor 1 RNA-binding protein; SERB1_MOUSE; SERB1_RAT; SERPINE1 mRNA binding protein 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	SERBP1 {ECO:0000303|PubMed:36691768, ECO:0000312|HGNC:HGNC:17860}
Function	Ribosome-binding protein that promotes ribosome hibernation, a process during which ribosomes are stabilized in an inactive state and preserved from proteasomal degradation (PubMed:36691768). Acts via its association with EEF2/eEF2 factor, sequestering EEF2/eEF2 at the A- site of the ribosome and promoting ribosome stabilization and storage in an inactive state (By similarity). May also play a role in the regulation of mRNA stability: binds to the 3'-most 134 nt of the SERPINE1/PAI1 mRNA, a region which confers cyclic nucleotide regulation of message decay (PubMed:11001948). Seems to play a role in PML-nuclear bodies formation (PubMed:28695742).
Cellular Location	Cytoplasm. Nucleus. Cytoplasm, perinuclear region
Tissue Location	Expressed at high level in the heart, skeletal muscle and kidney, and at low levels in placenta, liver and brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.