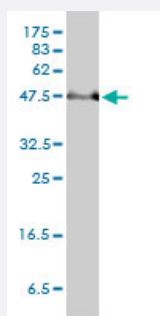


SERBP1 monoclonal antibody (M01), clone 1D2-2E9

Catalog # H00026135-M01

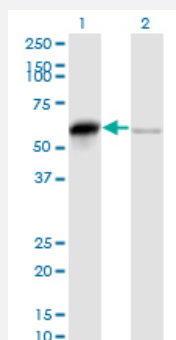
Size 100 ug

Applications



Western Blot (Cell lysate)

PAI-RBP1 monoclonal antibody (M01), clone 1D2-2E9 Western Blot analysis of PAI-RBP1 expression in HeLa (Cat # L013V1).

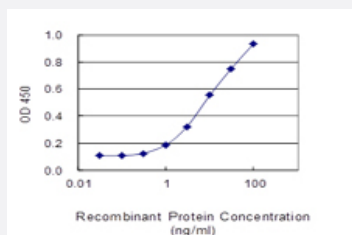


Western Blot (Transfected lysate)

Western Blot analysis of SERBP1 expression in transfected 293T cell line by PAI-RBP1 monoclonal antibody (M01), clone 1D2-2E9.

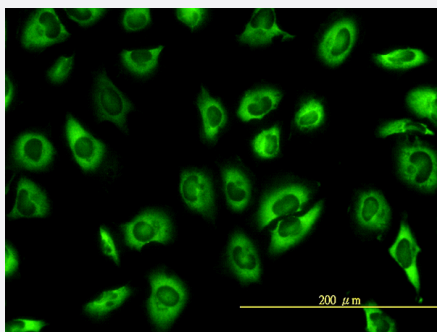
Lane 1: SERBP1 transfected lysate(45 KDa).

Lane 2: Non-transfected lysate.



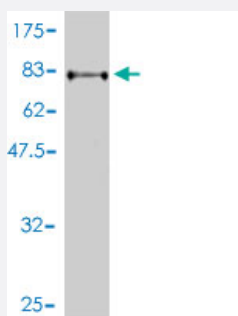
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SERBP1 is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PAI-RBP1 on HeLa cell.
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (69.96 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant SERBP1.
Immunogen	SERBP1 (AAH02488, 1 a.a. ~ 402 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPGHLQEGFGCVVTNRFDQLFDDSDPFEVLKAAENKKKEAGGGGVGGPGAKSAAQAAAQTN SNAAGKQLRKESQKDRKNPLPPSVGVVDKKEETQPPVALKKEGIRRVGRRPDQQLQGEGKIIDR RPERRPPRERRFEKPLEEKGEGGEFSVDRPIIDRPIRGRGGLGRGRGGRGRGMGRGDGFDSRG KREFDRHSGSDRSGLKHEDKRGGSGSHNWGTVKDELTESPKYQKQISYNYSDDLQSNVTEETP EGEEHHPVADTENKENEVEEVKEEGPKEMTLDEWKAIQNKDRAKVEFNIRKPNEGADGQWKKG FVLHKS KSEEAHAEDSVMDHHFRKPANDITSQLEINFGDLGRPGRGRGGRGGCGRGRPNRG SRTDKSSASAPDVDDPEAFPALA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (69.96 KDa) .
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PAI-RBP1 monoclonal antibody (M01), clone 1D2-2E9 Western Blot analysis of PAI-RBP1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of SERBP1 expression in transfected 293T cell line by PAI-RBP1 monoclonal antibody (M01), clone 1D2-2E9.

Lane 1: SERBP1 transfected lysate(45 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SERBP1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PAI-RBP1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — SERBP1

Entrez GeneID	26135
---------------	-----------------------

GeneBank Accession#	BC002488
---------------------	--------------------------

Protein Accession#	AAH02488
--------------------	--------------------------

Gene Name	SERBP1
-----------	--------

Gene Alias	CGI-55, CHD3IP, DKFZp564M2423, FLJ90489, HABP4L, PAI-RBP1, PAIRBP1
Gene Description	SERPINE1 mRNA binding protein 1
Omim ID	607378
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000010977 OTTHUMP00000010978 OTTHUMP00000037681 OTTHUMP00000037682 PAI-1 mRNA binding protein chromodomain helicase DNA binding protein 3 interacting protein plasminogen activator inhibitor 1 RNA binding protein

Publication Reference

- [ETD-Based Proteomic Profiling Improves Arginine Methylation Identification and Reveals Novel PRMT5 Substrates.](#)

Lingzi Lu, Zilu Ye, Rou Zhang, Jesper V. Olsen, Yanqiu Yuan, and Yang Mao.
Journal of Proteome Research 2024 Mar; 23(3):1014.

Application: IF, WB, Human, HeLa cells
- [Silencing of Ago-2 Interacting Protein SERBP1 Relieves KCC2 Repression by miR-92 in Neurons.](#)

Christian Barbato, Paola Frisone, Laura Braccini, Simona D'Aguanno, Luisa Pieroni, Maria Teresa Ciotti, Caterina Catalanotto, Carlo Cogoni, Francesca Ruberti.
Cells 2022 Mar; 11(6):1052.

Application: WB-Tr, Human, Rat, Rat primary hippocampal neurons, SH-SY5Y cells
- [Localization of SERBP1 in stress granules and nucleoli.](#)

Lee YJ, Wei HM, Chen LY, Li C.
The FEBS Journal 2014 Jan; 281(1):352.

Application: IF, Human, HeLa cells
- [Protein arginine methylation of SERBP1 by protein arginine methyltransferase 1 affects cytoplasmic/nuclear distribution.](#)

Lee YJ, Hsieh WY, Chen LY, Li C.
Journal of Cellular Biochemistry 2012 Aug; 113(8):2721.

Application: WB-Tr, Human, HeLa cells

- [Serologic Markers of Effective Tumor Immunity against Chronic Lymphocytic Leukemia Include Nonmutated B-Cell Antigens.](#)

Marina O, Hainz U, Biernacki MA, Zhang W, Cai A, Duke-Cohan JS, Liu F, Brusic V, Neuberg D, Kutok JL, Alyea EP, Canning CM, Soiffer RJ, Ritz J, Wu CJ.

Cancer Research 2010 Feb; 70(4):1344.

Application: WB, Human, PBMC, B, CLL cells

- [An integrated approach of differential mass spectrometry and gene ontology analysis identified novel proteins regulating neuronal differentiation and survival.](#)

Kobayashi D, Kumagai J, Morikawa T, Wilson-Morifuji M, Wilson A, Irie A, Araki N.

Molecular & Cellular Proteomics 2009 Oct; 8(10):2350.

Application: WB, Rat, PC12 cells

- [Rapid Changes of mRNA-binding Protein Levels following Glucose and 3-Isobutyl-1-methylxanthine Stimulation of Insulinoma INS-1 Cells.](#)

Sus C, Czupalla C, Winter C, Pursche T, Knoch KP, Schroeder M, Hoflack B, Solimena M.

Molecular & Cellular Proteomics 2008 Oct; 8(3):393.

Application: WB, Rat, INS-1 cells