PAI-RBP1 (G-15): sc-131741



The Power to Question

BACKGROUND

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- α and may be involved in chromatin remodeling. PAI-RBP1 also interacts with PGRMC1 and participates in the transduction of the antiapoptotic action of progesterone 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.

REFERENCES

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- 3. Peluso, J.J., et al. 2005. Expression and function of PAI-RBP1 within gonadotropin-primed immature rat ovaries: PAI-RBP1 regulation of granulosa and luteal cell viability. Biol. Reprod. 73: 261-270.
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 expression in the immature rat ovary and its role in mediating progesterone's antiapoptotic action. Endocrinology 147: 3133-3140.
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CHROMOSOMAL LOCATION

Genetic locus: SERBP1 (human) mapping to 1p31.3; Serbp1 (mouse) mapping to 6 C1.

SOURCE

PAI-RBP1 (G-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of PAI-RBP1 of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-131741 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

PAI-RBP1 (G-15) is recommended for detection of PAI-RBP1 isoforms 1-4 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

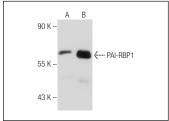
PAI-RBP1 (G-15) is also recommended for detection of PAI-RBP1 isoforms 1-4 in additional species, including canine, bovine and porcine.

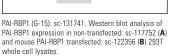
Suitable for use as control antibody for PAI-RBP1 siRNA (h): sc-88846, PAI-RBP1 siRNA (m): sc-151994, PAI-RBP1 shRNA Plasmid (h): sc-88846-SH, PAI-RBP1 shRNA Plasmid (m): sc-151994-SH, PAI-RBP1 shRNA (h) Lentiviral Particles: sc-88846-V and PAI-RBP1 shRNA (m) Lentiviral Particles: sc-151994-V.

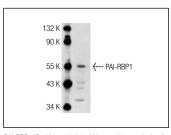
Molecular Weight of PAI-RBP1: 60 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, PAI-RBP1 (m): 293T Lysate: sc-122356 or Hep G2 cell lysate: sc-2227.

DATA







PAI-RBP1 (G-15): sc-131741. Western blot analysis of PAI-RBP1 expression in HeLa whole cell lysate.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

MONOS Satisfation Guaranteed

Try PAI-RBP1 (F-8): sc-376832 or PAI-RBP1 (1B9): sc-100800, our highly recommended monoclonal alternatives to PAI-RBP1 (G-15).

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