HBXIP (H-5): sc-373980

BACKGROUND
HBXIP (hepatitis B virus X-interacting protein), also known as HBV X-interacting protein or HBX-interacting protein, was originally identified by its ability to form a complex with the C-terminus of hepatitis B virus X (HBX) protein. HBXIP negatively regulates the activity of HBX and alters the replicative life cycle of the virus. HBXIP is an evolutionarily conserved protein. It contains a leucine zipper motif and two consensus phosphorylation sites. HBXIP also forms complexes with survivin (an overexpressed protein in most human cancers) and is necessary for allowing survivin to bind and inhibit the activation of pro-caspase-9, suggesting that HBXIP acts as an anti-apoptotic cofactor of survivin. In addition, HBXIP is involved in bipolar spindle formation and regulates centrosome dynamics and cytokinesis in cells, possibly through an interaction with Dynein light chain. The overexpression of HBXIP promotes proliferation in a variety of cell lines.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: LAMTOR5 (human) mapping to 1p13.3; Lamtor5 (mouse) mapping to 3 F2.3.

SOURCE
HBXIP (H-5) is a mouse monoclonal antibody raised against amino acids 1-91 representing full length HBXIP of human origin.

PRODUCT
Each vial contains 200 µg IgG2a kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

HBXIP (H-5) is available conjugated to agarose (sc-373980 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-373980 HRP), 200 µg/ml, for WB, IHC(IP) and ELISA; to either phycoerythrin (sc-373980 PE), fluorescein (sc-373980 FITC), Alexa Fluor® 488 (sc-373980 AF488), Alexa Fluor® 546 (sc-373980 AF546), Alexa Fluor® 594 (sc-373980 AF594) or Alexa Fluor® 647 (sc-373980 AF647), 200 µg/ml, for WB (RGB), IF, IHC(IP) and FCM; and to either Alexa Fluor® 680 (sc-373980 AF680) or Alexa Fluor® 790 (sc-373980 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

APPLICATIONS
HBXIP (H-5) is recommended for detection of HBXIP of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

HBXIP (H-5) is also recommended for detection of HBXIP in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for HBXIP siRNA (h): sc-72289, HBXIP siRNA (m): sc-77371, HBXIP shRNA Plasmid (h): sc-72289-SH, HBXIP shRNA Plasmid (m): sc-77371-SH, HBXIP shRNA (h) Lentiviral Particles: sc-72289-V and HBXIP shRNA (m) Lentiviral Particles: sc-77371-V.

Molecular Weight of HBXIP: 18 kDa.

Positive Controls: HBXIP (h): 293T Lysate: sc-116745, MCF7 whole cell lysate: sc-2206 or Jurkat whole cell lysate: sc-2204.

DATA

SELECT PRODUCT CITATIONS

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

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

PROTOCOLS
See our web site at www.scbt.com for detailed protocols and support products.