

Bex2 (9E1237): sc-52916

BACKGROUND

The brain-expressed X-linked (Bex) family of proteins are expressed in the central nervous system, with highest levels detected in cerebellum, temporal lobe and pituitary tissues. Bex1 a highly ubiquitinated protein, plays an important role in neuronal differentiation (in response to nerve growth factor (NGF)) and cell cycle progression. Bex1 acts as a link between the cell cycle and the neurotrophic factor signaling. Bex2 is highly expressed in the embryonic brain and interacts with LMO2, a LIM-domain containing transcriptional factor, thereby regulating the transcriptional activity of a DNA-binding complex. Bex1 and Bex2 shuttle between the cytoplasm and the nucleus. Bex2 may be implicated in tumor formation, since upregulation leads to increased sensitivity to chemotherapy-induced apoptosis. Bex2 also exhibits powerful tumor suppressor effects.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: BEX2 (human) mapping to Xq22.1.

SOURCE

Bex2 (9E1237) is a mouse monoclonal antibody raised against full length Bex2 of human origin.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Bex2 (9E1237) is recommended for detection of Bex2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Bex2 siRNA (h): sc-60271, Bex2 shRNA Plasmid (h): sc-60271-SH and Bex2 shRNA (h) Lentiviral Particles: sc-60271-V.

Molecular Weight of Bex2: 15 kDa.

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.