B STER[®] antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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Basic Information	
Product Name	Anti-SNAI2 Antibody
Gene Name	SNAI2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SLUG, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	30 kDa
Dilution Ratios	Western blot (WB):1:500-2000Immunohistochemistry (IHC):1:50-400(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

SLUG is also known as SNAI2. This gene encodes a member of the Snail family of C2H2-type zinc finger transcription factors. The encoded protein acts as a transcriptional repressor that binds to E-box motifs and is also likely to repress E-cadherin transcription in breast carcinoma. This protein is involved in epithelial-mesenchymal transitions and has antiapoptotic activity. Mutations in this gene may be associated with sporatic cases of neural tube defects.

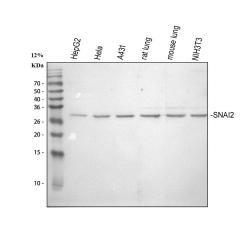
Reference

Anti-SNAI2 Antibody被引用在11文献中。

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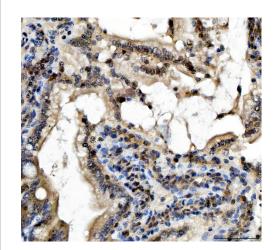
Selected Validation Data



Western blot analysis of SNAI2 using anti-SNAI2 antibody (PB9439). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

- Lane 1: human HepG2 whole cell lysates,
- Lane 2: human Hela whole cell lysates,
- Lane 3: human A431 whole cell lysates,
- Lane 4: rat lung tissue lysates,
- Lane 5: mouse lung tissue lysates,
- Lane 6: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-SNAI2 antigen affinity purified polyclonal antibody (PB9439) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for SNAI2 at approximately 30 kDa. The expected band size for SNAI2 is at 30 kDa.



IHC analysis of SNAI2 using anti-SNAI2 antibody (PB9439). SNAI2 was detected in a paraffin-embedded section of rat colon tissue. The tissue section was incubated with rabbit anti-SNAI2 Antibody (PB9439) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.