bs-3453R

[Primary Antibody]

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phospho-CRTC1 (Ser151) Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 23373 SWISS: Q6UUV9

Target: CRTC1 (Ser151)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

Torc1 around the phosphorylation site of Ser151: TN(p-S)DS.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: which activates transcription through both consensus and variant cAMP response element (CRE) sites. MECT1 does not appear to modulate CREB1 DNA-binding activity but enhances the interaction of CREB1 with TAF4/TAFII-130. MECT1 translocates with MAML2 (MasterMind-Like Protein 2) to yield a fusion oncogene: t(11;19) (q21;p13). This translocation occurs in mucoepidermoid carcinomas, benign Warthin tumors and clear cell hidradenomas. The novel fusion product that results disrupts the Notch signaling pathway. The fusion protein consists of the N-terminus of MECT1 joined to the C-terminus of MAML2. The reciprocal fusion protein consisting of the N-terminus of MAML2 joined to the C-terminus of MECT1 has been detected in a small number of mucoepidermoid carcinomas. Multiple isoforms have been reported for the MECT1 protein.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500) Flow-Cyt (1µg /Test)

Reactivity: Human (predicted: Mouse,

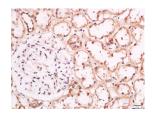
Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)

Predicted

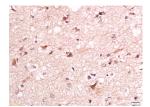
70 kDa MW.:

Subcellular Location: Cytoplasm ,Nucleus

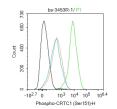
VALIDATION IMAGES



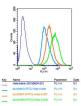
Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum.C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-Torc1(Ser151) Polyclonal Antibody, Unconjugated(bs-3453R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human brain glioma; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-Torc1(Ser151) Polyclonal Antibody, Unconjugated(bs-3453R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010)



Blank control (black line): K562. Primary Antibody (green line): Rabbit Anti-Phospho-CRTC1 (Ser151) antibody (bs-3453R) Dilution:1ug/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature . Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Positive control: Hela cells Concebtration: $5\mu g/10^6$ cells Incubation conditions: Avoid light , 30 minutes on the ice.

- SELECTED CITATIONS -

• [IF=5.7] Huifang Niu. et al. Molecular Mechanism of Pasteurized Akkermansia muciniphila in Alleviating Type 2 Diabetes Symptoms. J AGR FOOD CHEM. 2024;72(23):13083–13098 WB; Mouse. 38829529