

For Research Use Only

CREST Monoclonal antibody

Catalog Number:60314-1-Ig



Basic Information

Catalog Number: 60314-1-Ig	GenBank Accession Number: BC034494	Purification Method: Protein G purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 26039	CloneNo.: 3D5D10
Source: Mouse	UNIPROT ID: O75177	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG1	Full Name: synovial sarcoma translocation gene on chromosome 18-like 1	
Immunogen Catalog Number: AG3119	Calculated MW: 396 aa, 43 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : NIH/3T3 cells, COLO 320 cells, HSC-T6 cells, RAW 264.7 cells, MCF-7 cells
Species Specificity: human, rat, mouse	

Background Information

SS18-like 1(SS18L1) is a transcriptional activator that is required for calcium-dependent dendritic growth and branching in cortical neurons. It's also a nuclear protein interacts with CREB-binding protein and expressed in the developing brain. It helps regulate neuronal morphogenesis in calcium-dependent manner. The N-terminal domain of SS18L1 is required for suppressing transactivation in the basal state, while the C-terminal domain is required for calcium-induced transactivation. It's part of the CREST-BRG1 complex, a multiprotein complex that regulates promoter activation by orchestrating a calcium-dependent release of a repressor complex and a recruitment of an activator complex. This complex also binds to the NR2B promoter, and activity-dependent induction of NR2B expression involves a release of HDAC1 and recruitment of CREBBP. The calculated molecular weight of CREST is about 43 kDa, but the modified of CREST protein is 55 kDa (PMID: 25888396).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 60314-1-Ig (CREST antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.