

For Research Use Only

CREST Monoclonal antibody, PBS Only



Catalog Number: 60314-1-PBS

Basic Information

Catalog Number:

60314-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG3119

GenBank Accession Number:

BC034494

GeneID (NCBI):

26039

UNIPROT ID:

O75177

Full Name:

synovial sarcoma translocation gene on chromosome 18-like 1

Calculated MW:

396 aa, 43 kDa

Observed MW:

50 kDa

Purification Method:

Protein G purification

CloneNo.:

3D5D10

Applications

Tested Applications:

WB, Indirect ELISA

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 that interacts with CREB-binding protein and is expressed in the developing brain. It helps regulate neuronal morphogenesis in a 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 CREST protein is 55 kDa (PMID: 25888396).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

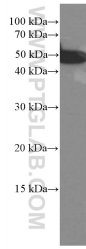
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E: Proteintech-CN@ptglab.com

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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. This data was developed using the same antibody clone with 60314-1-PBS in a different storage buffer formulation.