

Rabbit CREST Polyclonal Antibody | anti-CREST antibody

CREST Antibody

CATALOG # AAA323086	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

CREST; Polyclonal Antibody; CREST Antibody; Calcium-responsive transactivator; CREST_HUMAN; KIAA0693; LP2261; MGC26711; MGC78386; sarcoma translocation gene on chromosome18like1; SS18; SS18-like protein 1; SS18L1; SSXT; synovial sarcoma translocation; synovial sarcoma translocation gene on chromosome 18-like 1; SYT homolog 1; anti-CREST antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CREST antibody detects endogenous levels of CREST.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	265
Applicable Applications for anti-CREST antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CREST.
Subcellular Location	Nucleus. Chromosome > Centromere > Kinetochore. Localizes to nuclear bodies. Co-localizes with SGOL1 at kinetochore.
Tissue Specificity	Ubiquitous; with lowest levels in spleen.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (92%), Horse (100%), Sheep (83%), Rabbit (92%), Dog (100%), Chicken (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA323086 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of NIH/3T3 cells, using CREST antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CREST antibody

Function: Transcriptional activator which is required for calcium-dependent dendritic growth and branching in cortical neurons. Recruits CREB-binding protein (CREBBP) to nuclear bodies. Component 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. In resting neurons, transcription of the c-FOS promoter is inhibited by BRG1-dependent recruitment of a phospho-RB1-HDAC1 repressor complex. Upon calcium influx, RB1 is dephosphorylated by calcineurin, which leads to release of the repressor complex. At the same time, there is increased recruitment of CREBBP to the promoter by a CREST-dependent mechanism, which leads to transcriptional activation. The CREST-BRG1 complex also binds to the NR2B promoter, and activity-dependent induction of NR2B expression involves a release of HDAC1 and recruitment of CREBBP (By similarity). Subunit Structure: Homodimer. Dimerization may be necessary for its function in neuronal dendritic development. Interacts (via C-terminus) with CREBBP (via N-terminus), EP300 and SMARCA4/BRG1. Interacts with the nBAF complex. Association with CREBBP facilitates transcription while the association with SMARCA4/BRG1 suppresses CREST-mediated transcription in resting neurons (By similarity). Similarity: The MFD (multi-functional domain) domain is involved in transcription transactivation, nuclear body targeting and dimerization. Belongs to the SS18 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	684625051
NCBI GeneID	26039
NCBI Accession #	NP_001288707.1
NCBI GenBank Nucleotide #	NM_001301778.1
UniProt Accession #	O75177; Q5JXJ3; Q6MZV9; Q6NTH3; Q6XYD9; Q8NE69; Q9BR55; Q9H4K6; A6NNE3; A8K620; B3KWR8; E1P5H7
Molecular Weight	Observed: 50 kDa Predicted: 43 kDa
NCBI Official Full Name	calcium-responsive transactivator isoform 2
NCBI Official Synonym Full Names	SS18L1, nBAF chromatin remodeling complex subunit
NCBI Official Symbol	SS18L1
NCBI Official Synonym Symbols	CREST; LP2261
NCBI Protein Information	calcium-responsive transactivator
UniProt Protein Name	Calcium-responsive transactivator
UniProt Gene Name	SS18L1
UniProt Synonym Gene Names	CREST; KIAA0693

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

