

Creb (Phospho-S133) Rabbit mAb

Catalog No: #13435

Package Size: #13435-1 50ul #13435-2 100ul



SAB[®]
Signalway Antibody

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Support: tech@signalwayantibody.com

Description

Product Name	Creb (Phospho-S133) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	JB25-40
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser133 of human Creb.
Conjugates	Unconjugated
Other Names	Active transcription factor CREB antibody cAMP response element binding protein 1 antibody cAMP response element binding protein antibody cAMP responsive element binding protein 1 antibody cAMP-responsive element-binding protein 1 antibody CREB antibody CREB-1 antibody CREB1 antibody CREB1_HUMAN antibody Cyclic AMP-responsive element-binding protein 1 antibody MGC9284 antibody OTTHUMP00000163864 antibody OTTHUMP00000163865 antibody OTTHUMP00000206660 antibody OTTHUMP00000206662 antibody OTTHUMP00000206667 antibody Transactivator protein antibody
Accession No.	Swiss-Prot#:P16220
Calculated MW	Predicted band size: 35 kDa
SDS-PAGE MW	Observed band size: 46 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

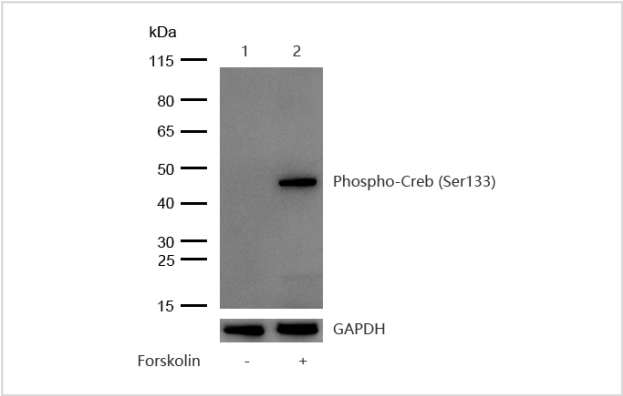
Application Details

WB: 1:500-1:2000

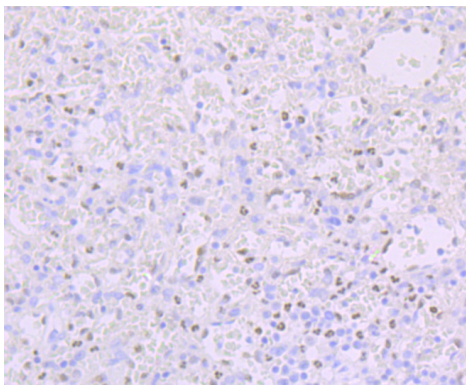
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

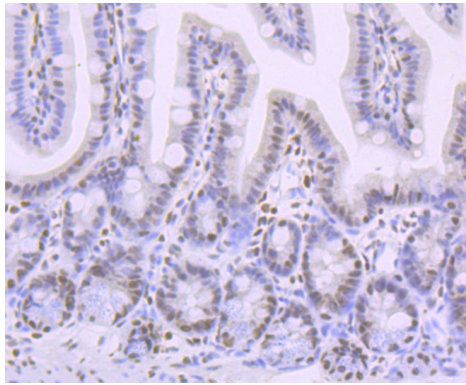
Images



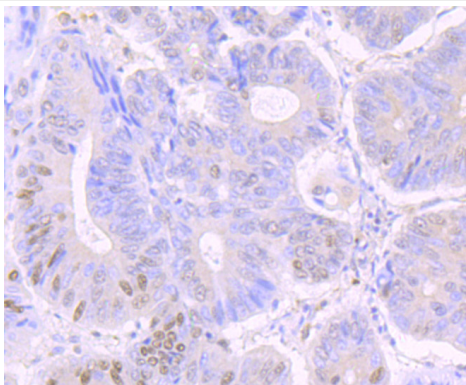
All lanes : Creb (Phospho-S133) Rabbit mAb at 1/1k dilution
Lane 1 : HeLa whole cell lysates
Lane 2 : HeLa treated with 10 μM Forskolin for 30min whole cell lysates
Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
Predicted band size: 35 kDa Observed band size: 46 kDa
Exposure time: 5 seconds



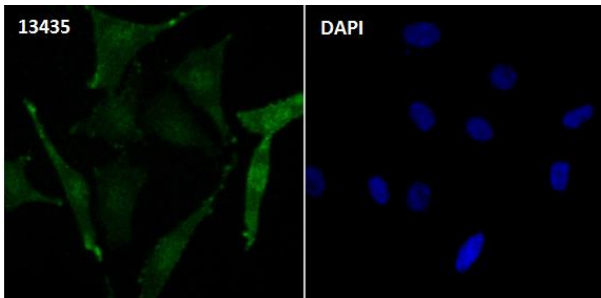
Formalin-fixed, paraffin-embedded human spleen tissue stained for Creb (Phospho-S133) using 13435 at 1/100 dilution in immunohistochemical analysis.



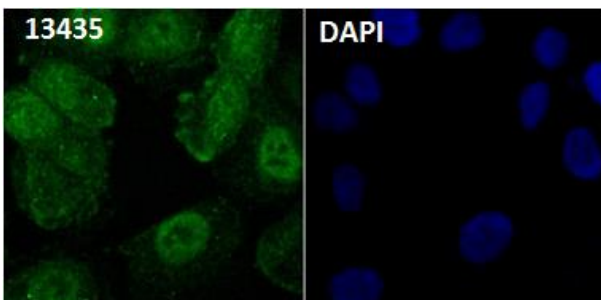
Formalin-fixed, paraffin-embedded mouse colon tissue stained for Creb (Phospho-S133) using 13435 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human colon cancer tissue stained for Creb (Phospho-S133) using 13435 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Creb (Phospho-S133) antibody (13435)
ICC/IF staining of Creb (Phospho-S133) in SHSY5Y cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 13435 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.



Immunocytochemistry/ Immunofluorescence Creb (Phospho-S133) antibody (13435)
ICC/IF staining of Creb (Phospho-S133) in HUVEC cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 13435 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.

Background

Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells.

References

Published Papers

el at., Lactobacillus pentosus LPQ1 attenuates depressive-like behavior in BALB/C mice induced by chronic unpredictable mild stress (CUMS), , (2024)

[PMID:](#)

Alisa M. Agne;JanPeter Baldin;Audra R. Benjamin;Maria C. Orogo-Wenn;Lukas Wichmann;Kenneth R. Olson;Dafydd V. Walters;Mike Althaus el at., Hydrogen sulfide decreases β -adrenergic agonist-stimulated lung liquid clearance by inhibiting ENaC-mediated transepithelial sodium absorption, , (2015)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.