

Anti-C9 (H216) Antibody

Catalog Number: A01010

About C9

4E-BP1 encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.

Gingras AC, et al. (1998) Genes Dev 12(4): 502-513.

Brugarolas J, et al. (2004) Genes Dev 18(23): 2893-2904.

Kumar V, et al. (2000) EMBO J 19(5): 1087-1097.

Moody CA, et al. (2005) J Virol 79(9): 5499-5506.

Burnett PE, et al. (1998) Proc Natl Acad Sci U S A 95(4): 1432-1437.

Overview

Product Name	Anti-C9 (H216) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-C9 (H216) Antibody catalog # A01010. Tested in WB applications. This antibody reacts with Human,Mouse,Rat.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02748

Technical Details

Immunogen	Synthesized peptide derived from human Splicing factor 1 around the phosphorylation site of S82.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG

Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:1000</p>

Anti-C9 (H216) Antibody (A01010) Images

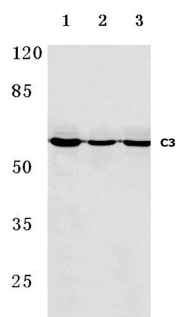


Figure 1. Western blotting validation for Anti-C9 (H216) Antibody A01010

Western blot (WB) analysis of C9 (H216) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Raw264.7 cell lysate

Lane3:PC12 cell lysate

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

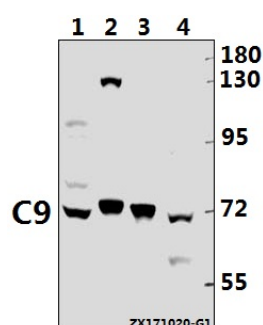


Figure 2. Western blotting validation for Anti-C9 (H216) Antibody A01010

Western blot (WB) analysis of C9 (H216) pAb at 1:1000 dilution

Lane1:AML-12 whole cell lysate(40ug)

Lane2:The Liver tissue lysate of Rat(20ug)

Lane3:K562 whole cell lysate(20ug)

Lane4:Jurkat whole cell lysate(40ug)

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-C9 (H216) Antibody