

Anti-Caspase 10 CASP10 Antibody

Catalog Number: A02190-1

About CASP10

Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO1, SUMO2 and SUMO3 to their mature forms and deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins. Deconjugates SUMO1 from HIPK2. Deconjugates SUMO1 from HDAC1 and BHLHE40/DEC1, which decreases its transcriptional repression activity. Deconjugates SUMO1 from CLOCK, which decreases its transcriptional activation activity.

Taihei Yamaguchi, Mol. Cell. Biol., Jun 2005; 25: 5171 - 5182.

Jinke Cheng, Mol. Cell. Biol., Jul 2004; 24: 6021 - 6028.

Molly A. Brewer, AACR Meeting Abstracts, Mar 2004; 2004: 1006.

Imke M. Veltman, Hum. Mol. Genet., Jul 2005; 14: 1955 - 1963.

Overview

Product Name	Anti-Caspase 10 CASP10 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Caspase 10 CASP10 Antibody catalog # A02190-1. 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	Q92851

Technical Details

Immunogen	Synthesized peptide derived from human Arrestin-beta-1 around the phosphorylation site of S412.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:1000

Anti-Caspase 10 CASP10 Antibody (A02190-1) Images

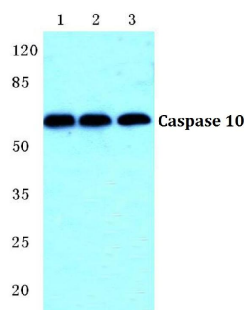


Figure 1. Western blotting validation for Anti-Caspase 10 CASP10 Antibody A02190-1

Western blot (WB) analysis of Caspase 10 polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:NIH-3T3 cell lysate

Lane3:H9C2 cell lysate

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



Figure 2. Western blotting validation for Anti-Caspase 10 CASP10 Antibody A02190-1

Western blot (WB) analysis of Caspase 10 pAb at 1:500 dilution

Lane1:H9C2 whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug)

Lane3:CT26 whole cell lysate(40ug)

Lane4:L02 whole cell lysate(40ug)

Lane5:SK-OVCAR3 whole cell lysate(40ug)

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

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