BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Pre-mRNA-splicing factor SPF27 BCAS2 Antibody

Catalog Number: A07113

About BCAS2

BCAS2 was identified through differential display analysis as an mRNA species that was overexpressed in MCF7 and BT-20 breast cancer cell lines. The chromosomal region containing this gene, 1p13.3021, is amplified in these cells lines. BCAS2 is a transcriptional cofactor that enhances estrogen receptor-mediated gene expression, and directly interacts with the tumor suppressor p53 to reduce p53 transcriptional activity by reducing p53 protein level in the absence of DNA damage. Deprivation of BCAS2 through RNA inhibition induces apoptosis in p53-wild type cells, but causes G2-M arrest in p53-null or -mutant cells; this effect was reversed with the expression of ectopic BCAS2. BCAS2 may thus be potentially useful as a therapeutic target in the treatment of cancer.

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Overview

Product Name	Anti-Pre-mRNA-splicing factor SPF27 BCAS2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Pre-mRNA-splicing factor SPF27 BCAS2 Antibody (Catalog # A07113). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	BCAS2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	BCAS2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O75934

Technical Details

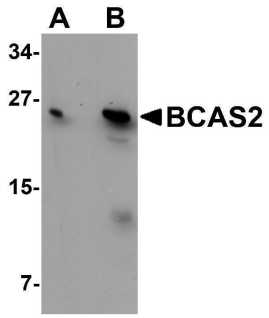
Immunogen	BCAS2 antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human BCAS2. The immunogen is located within the last 50 amino acids of BCAS2.
Predicted Reactive Species	Bovine

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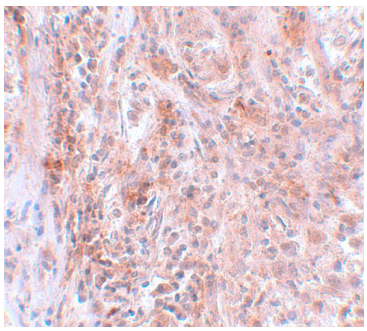
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	BCAS2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	BCAS2 antibody can be used for detection of BCAS2 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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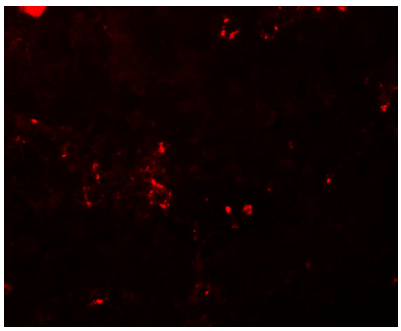
Anti-Pre-mRNA-splicing factor SPF27 BCAS2 Antibody (A07113) Images



Western blot analysis of BCAS2 in MCF7 cell lysate with BCAS2 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of BCAS2 in human breast carcinoma with BCAS2 antibody at 5 ug/mL.



Immunofluorescence of BCAS2 in human breast carcinoma tissue with BCAS2 antibody at 20 ug/mL.

Anti-Pre-mRNA-splicing factor SPF27 BCAS2 Antibody

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