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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-BNIP3 Antibody

Catalog Number: A01469-2

About BNIP3

Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.

ten Dijke P., Oncogene 8:2879-2887(1993).
Attisano L., Cell 75:671-680(1993).
Berg J.N., Am. J. Hum. Genet. 61:60-67(1997).

Overview

Product Name	Anti-BNIP3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BNIP3 Antibody catalog # A01469-2. Tested in WB,ICC/IF,IHC applications. This antibody reacts with Human,Mouse,Rat.
Application	IF, IHC, ICC, 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	Q12983

Technical Details

Immunogen	Synthesized peptide derived from internal of human ACVL1.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

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Purification	ProA affinity purified
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: 1:500-1:1,000 ICC: 1:50-1:200 IHC: 1:50-1:200

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Anti-BNIP3 Antibody (A01469-2) Images

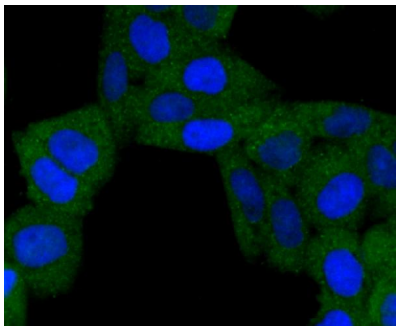

Figure 2. Immunocytochemistry staining of BNIP3 using Anti-BNIP3 Antibody (A01469-2).

ICC staining BNIP3 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

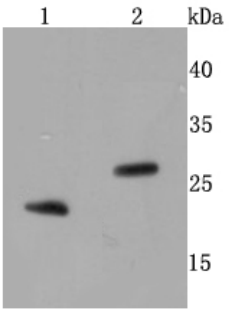

Figure 1. Western blotting validation for Anti-BNIP3 Antibody A01469-2

Western blot analysis of BNIP3 on different cells lysates using anti-BNIP3 antibody at 1/500 dilution. Positive control
Line 1: Human skeletal muscle
Line 2: Mouse kidney
Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration