BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Egr1 Antibody Picoband®

Catalog Number: PA2177

About EGR1

Earlu growth response protein 1, also known as ZIF268 or NGFIA, is a protein that in humans is encoded by the EGR1 gene. The protein encoded by this gene belongs to the EGR family of C2H2-type zinc-finger proteins. This gene is mapped to 5q31.2. It is a nuclear protein and functions as a transcriptional regulator. The products of target genes it activates are required for differentitation and mitogenesis. Studies suggest this is a cancer suppresor gene. It has a distinct pattern of expression in the brain, and its induction has been shown to be associated with neuronal activity. Several studies suggest it has a role in neuronal plasticity.

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Overview

Product Name	Anti-Egr1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Egr1 Antibody catalog # PA2177. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P18146

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Egr1, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

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	blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

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Anti-Egr1 Antibody Picoband® (PA2177) Images



Boster Kit Box

2 Publications Citing This Product

1. PubMed ID: 10.3390/ijms20071548, Identification, Characterization, and Regulatory Mechanisms of a Novel EGR1 Splicing Isoform

2. PubMed ID: 24925646, Lin K, Fang S, Cai B, Huang X, Zhang X, Lu Y, Zhang W, Wei E. Eur J Cell Biol. 2014 Jul;93(7):278-88. Doi: 10.1016/J.Ejcb.2014.05.001. Epub 2014 May 20. Erk/Egr-1 Signaling Pathway Is Involved In Cyslt2 Receptor-Mediated Il-8 Production In Hek293 ...

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Anti-Egr1 Antibody

For Research Use Only. Not for use in diagnostic procedures.