

Datasheet for ABIN3042850
anti-EGR2 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	EGR2
Binding Specificity:	AA 153-168, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EGR2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-EGR2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human EGR2, different from the related rat and mouse sequences by one amino acid.
Sequence:	TMSQTQPDLD HLYSPP
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-EGR2 Antibody (ABIN3042850). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: EGR2

Alternative Name: EGR2 ([EGR2 Products](#))

Background: Synonyms: E3 SUMO-protein ligase EGR2,6.3.2.-,AT591,Early growth response protein 2,EGR-2,Zinc finger protein Krox-20,EGR2,KROX20,
Tissue Specificity: In eosinophils as well as trace amounts in neutrophils and monocytes.
Background: Early growth response protein 2, also called EGR2 or E3 SUMO-protein ligase EGR2, is a protein that in humans is encoded by the EGR2 gene. This gene is mapped to 10q21.3. The protein encoded by this gene is a transcription factor with three tandem C2H2-type zinc fingers. Defects in this gene are associated with Charcot-Marie-Tooth disease type 1D (CMT1D), Charcot-Marie-Tooth disease type 4E (CMT4E), and with Dejerine-Sottas syndrome (DSS). E3 SUMO-protein ligase helping SUMO1 conjugation to its coregulators NAB1 and NAB2, whose sumoylation down-regulates EGR2 own transcriptional activity.
Sequence Similarities: Belongs to the EGR C2H2-type zinc-finger protein family.

Molecular Weight: 53 kDa

UniProt: [P11161](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat
1. Chung, K. W., Sunwoo, I. N., Kim, S. M., Park, K. D., Kim, W.-K., Kim, T. S., Koo, H., Cho, M., Lee, J., Choi, B. O. Two missense mutations of EGR2 R359W and GJB1 V136A in a Charcot-Marie-Tooth disease family. Neurogenetics 6: 159-163, 2005. 2. Szigeti, K., Wiszniewski, W., Saifi, G. M., Sherman, D. L., Sule, N., Adesina, A. M., Mancias, P., Papasozomenos, S. C., Miller, G., Keppen, L., Daentl, D., Brophy, P. J., Lupski, J. R. Functional, histopathologic and natural history study of neuropathy associated with EGR2 mutations. Neurogenetics 8: 257-262, 2007.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

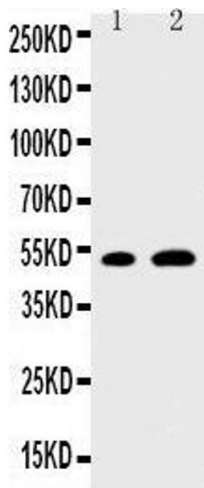
Handling

Format: Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Anti-EGR2 antibody, Western blotting Lane 1: NIH3T3 Cell Lysate Lane 2: MCF-7 Cell Lysate