

Datasheet for ABIN7599174
anti-EGR2 antibody (AA 1-257)



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Overview

Quantity:	100 µg
Target:	EGR2
Binding Specificity:	AA 1-257
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EGR2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-EGR2 Antibody Picoband®
Immunogen:	E.coli-derived human EGR2 recombinant protein (Position: M1-R257). Human EGR2 shares 90.7% amino acid (aa) sequence identity with both mouse and rat EGR2.
Characteristics:	Anti-EGR2 Antibody Picoband® (ABIN7599174). Tested in WB, Flow Cytometry, ELISA 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	EGR2
Alternative Name:	EGR2 (EGR2 Products)
Background:	Early growth response protein 2 is a protein that in humans is encoded by the EGR2 gene. 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). Multiple transcript variants encoding two different isoforms have been found for this gene.
Molecular Weight:	50 kDa
Gene ID:	1959
UniProt:	P11161

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Boerkoel, C. F., Takashima, H., Bacino, C. A., Daentl, D., Lupski, J. R. EGR2 mutation R359W causes a spectrum of Dejerine-Sottas neuropathy. Neurogenetics 3: 153-157, 2001. 2. Chavrier, P., Janssen-Timmen, U., Mattei, M.-G., Zerial, M., Bravo, R., Charnay, P. Structure, chromosome location, and expression of the mouse zinc finger gene Krox-20: multiple gene products and coregulation with the proto-oncogene c-fos. Molec. Cell. Biol. 9: 787-797, 1989. 3. 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C

Handling

Storage Comment: 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 freezing and thawing.