



Egr-2 Polyclonal Antibody

Catalog No	YP-Ab-01683
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	EGR2
Immunogen	The antiserum was produced against synthesized peptide derived from human EGR1/2. AA range:371-420
Specificity	Egr-2 Polyclonal Antibody detects endogenous levels of Egr-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AT591;CMT1D;CMT4E;E3 SUMO-protein ligase EGR2;E3 SUMO-protein transferase ERG2;Egr-2;EGR2;Early growth response protein 2;EGR1;KROX24;ZNF225;Early growth response protein 1;EGR-1;AT225;Nerve growth factor-induced protein A;NGFI-A;Transcription factor ETR103;Transcription factor Zif268;Zinc finger protein 225;Zinc finger protein Krox-24;KROX20
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Detected in neutrophils (at protein level).
Function	function:Transcriptional regulator. Recognizes and binds to the DNA sequence 5'-CGCCCCCGC-3'(EGR-site). Activates the transcription of target genes whose products are required for mitogenesis and differentiation.,induction:By growth factors.,similarity:Belongs to the EGR C2H2-type zinc-finger protein family.,similarity:Contains 3 C2H2-type zinc fingers.,



Background

The protein encoded by this gene belongs to the EGR family of C2H2-type zinc-finger proteins. It is a nuclear protein and functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Studies suggest this is a cancer suppressor gene. [provided by RefSeq, Dec 2014],

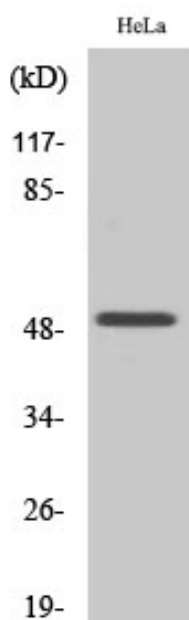
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Egr-2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

Western blot analysis of lysates from HeLa and Jurkat cells, using EGR1/2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).