

Egr-2 Polyclonal Antibody

Catalog No: YT1498

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Egr-2

Fields: >>Apelin signaling pathway;>>GnRH signaling pathway;>>Parathyroid hormone

synthesis, secretion and action;>>AGE-RAGE signaling pathway in diabetic complications;>>Prion disease;>>Human T-cell leukemia virus 1 infection

Gene Name: EGR2

Protein Name: Early growth response protein 2

P18146/P11161

Human Gene Id: 1958/1959

Human Swiss Prot

No:

Mouse Gene Id: 13653/13654

Rat Gene Id: 24330/114090

Rat Swiss Prot No: P08154/P51774

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, lgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 50kD

Cell Pathway: Prion diseases;

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 differentitation and mitogenesis. Studies suggest this is a cancer suppressor gene. [provided by

RefSeq, Dec 2014],

Function: function:Transcriptional regulator. Recognizes and binds to the DNA sequence

5'-CGCCCCGC-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

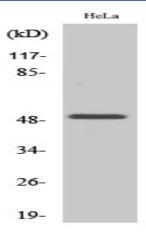
family., similarity: Contains 3 C2H2-type zinc fingers.,

Subcellular Location:

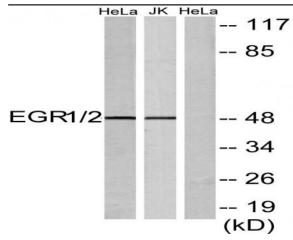
Nucleus . Cytoplasm .

Expression : Detected in neutrophils (at protein level).

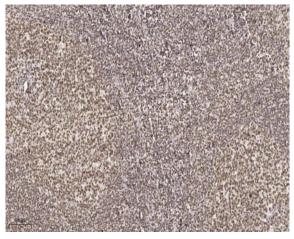
Products Images



Western Blot analysis of various cells using Egr-2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,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,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).