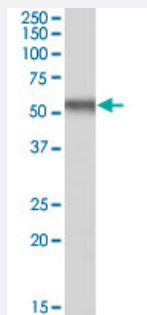


EGR2 polyclonal antibody

Catalog # PAB7314

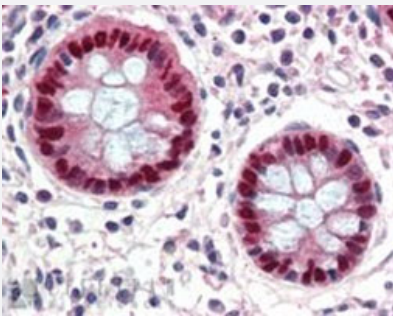
Size 100 ug

Applications



Western Blot (Cell lysate)

EGR2 polyclonal antibody (Cat # PAB7314) (0.03 ug/mL) staining of HepG2 cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

EGR2 polyclonal antibody (Cat # PAB7314, 3.8 ug/mL) staining of paraffin embedded human colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of EGR2.
Immunogen	A synthetic peptide corresponding to human EGR2.
Sequence	HGTAGPDRKPFPC
Host	Goat
Theoretical MW (kDa)	50.3
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:64000) Western blot (0.03-0.1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

EGR2 polyclonal antibody (Cat # PAB7314) (0.03 ug/mL) staining of HepG2 cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — EGR2

Entrez GeneID	1959
Protein Accession#	NP_00.0390.2
Gene Name	EGR2
Gene Alias	AT591, CMT1D, CMT4E, DKFZp686J1957, FLJ14547, KROX20
Gene Description	early growth response 2 (Krox-20 homolog, Drosophila)
Omim ID	129010 145900 605253 607678

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a transcription factor with three tandem C2H2-type zinc finger s. 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. [provided by RefSeq]

Other Designations

KROX-20, Drosophila, homolog (early growth response-2)|Krox-20 homolog|OTTHUMP00000062133|early growth response 2 protein

Publication Reference

- [Neuropathy-associated Egr2 mutants disrupt cooperative activation of myelin protein zero by Egr2 and Sox10.](#)

LeBlanc SE, Ward RM, Svaren J.

Molecular and Cellular Biology 2007 May; 27(9):3521.

Application: EMSA, WB, Rat, S16 cells

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Charcot-Marie-Tooth Disease](#)
- [Deafness](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Hereditary Central Nervous System Demyelinating Diseases](#)
- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)

- [Scoliosis](#)