abcam

Product datasheet

Anti-EGR2 antibody ab63943

画像数 2

製品の概要

製品名	Anti-EGR2 antibody
製品の詳細	Goat polyclonal to EGR2
由来種	Goat
アプリケーション	**適用あり:** WB, IHC-P
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Rat, Dog, Pig
免疫原	Synthetic peptide corresponding to Human EGR2 aa 239-251 (internal sequence). Sequence: HGTAGPDRKPFPC Run BLAST with Run BLAST with
ポジティブ・コントロール	WB: HepG2 cell lysate. IHC-P: Human colon tissue.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
精製度	Immunogen affinity purified
特記事項（精製）	ab63943 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab63943** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 2 - 6 µg/ml. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).
IHC-P		Use a concentration of 3 - 5 µg/ml.

ターゲット情報

機能	Sequence-specific DNA-binding transcription factor. Binds to two specific DNA sites located in the promoter region of HOXA4.
関連疾患	Defects in EGR2 are a cause of congenital hypomyelination neuropathy (CHN) [MIM:605253]. Inheritance can be autosomal dominant or recessive. Recessive CHN is also known as Charcot-Marie-Tooth disease type 4E (CMT4E). CHN is characterized clinically by early onset of hypotonia, areflexia, distal muscle weakness, and very slow nerve conduction velocities. Defects in EGR2 are a cause of Charcot-Marie-Tooth disease type 1D (CMT1D) [MIM:607678]. CMT1D is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT1 group are characterized by severely reduced nerve conduction velocities (less than 38 m/sec), segmental demyelination and remyelination with onion bulb formations on nerve biopsy, slowly progressive distal muscle atrophy and weakness, absent deep tendon reflexes, and hollow feet. Defects in EGR2 are a cause of Dejerine-Sottas syndrome (DSS) [MIM:145900]; also known as Dejerine-Sottas neuropathy (DSN) or hereditary motor and sensory neuropathy III (HMSN3). DSS is a severe degenerating neuropathy of the demyelinating Charcot-Marie-Tooth disease category, with onset by age 2 years. DSS is characterized by motor and sensory neuropathy with very slow nerve conduction velocities, increased cerebrospinal fluid protein concentrations, hypertrophic nerve changes, delayed age of walking as well as areflexia. There are both autosomal dominant and autosomal recessive forms of Dejerine-Sottas syndrome.
配列類似性	Belongs to the EGR C2H2-type zinc-finger protein family. Contains 3 C2H2-type zinc fingers.
翻訳後修飾	Ubiquitinated by WWP2 leading to proteasomal degradation.
細胞内局在	Nucleus.

画像

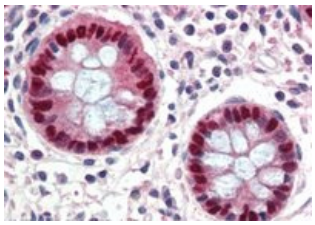
Western blot - Anti-EGR2 antibody (ab63943)

Anti-EGR2 antibody (ab63943) at 2 µg/ml + HepG2 cell lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 53 kDa

Incubated with the primary antibody for 1 hour.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EGR2 antibody (ab63943)

ab63943 at 3µg/ml staining EGR2 in human colon tissue section by Immunohistochemistry (Formalin/ PFA-fixed paraffin-embedded tissue sections). The tissue underwent antigen retrieval by steam in citrate buffer pH 6.0. The AP-staining procedure was used for detection.

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