

Recombinant EGR2 Monoclonal Antibody

catalog number: **AN302056L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

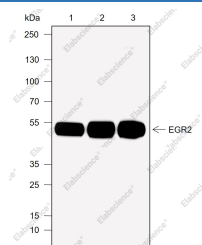
Reactivity	Human;Mouse;Rat
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C131677
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000
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Data



Western Blot with EGR2 Monoclonal Antibody at dilution of 1:1000. Lane 1: Human glioma, Lane 2: Mouse brain, Lane 3: Rat brain

Observed-MW:55 kDa

Calculated-MW:50 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

EGR2 is also named as KROX20, belongs to the EGR C2H2-type zinc-finger protein family. As a zinc finger transcription factor, it is observed in both the somata and dendrites of central neurons. EGR2 plays an important role in the transient formation of hindbrain developmental compartments or rhombomeres and is also an important factor in peripheral myelination, maintenance of synaptic plasticity and long-term potentiation. EGR2 expression is induced downstream of TCR signaling in NKT precursors and EGR2 is directly connected with the key molecular checkpoints defining NKT lineage commitment and stage progression, suggesting that EGR2 not only induces the early lineage-defining transcription factor PLZF, but also controls the downstream expression of the IL-2R β chain. EGR2 is regulated by both soluble and membrane-bound neuregulins and its concentration is partially modulated by calcium-dependent events. EGR2/Krox20 is also required for induction of Pmp22, and is nuclear-localized.

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