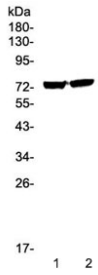
EGR1 Antibody (RQ4357)

Catalog No.	Formulation	Size
RQ4357	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P18146
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This EGR1 antibody is available for research use only.



Western blot testing of human 1) 22RV1 and 2) PANC-1 cell lysate with EGR1 antibody at 0.5ug/ml. Predicted molecular weight: 57 kDa (monomer), ~110 kDa (cytoplasmic dimer), ~75 kDa (nuclear dimer).

Description

Early growth response protein 1, also known as ZIF268 or NGFIA, is a protein that in humans is encoded by the EGR1 gene. The protein encoded by this gene belongs to the EGR family of C2H2-type zinc-finger proteins. This gene is mapped to 5q31.2. 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 suppresor gene. It has a

distinct pattern of expression in the brain, and its induction has been shown to be associated with neuronal activity. Several studies suggest it has a role in neuronal plasticity.

Application Notes

Optimal dilution of the EGR1 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids A239-R327 was used as the immunogen for the EGR1 antibody.

Storage

After reconstitution, the EGR1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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