

Anti- EGR1– Antibody

HGNC: 3238, AT225, G0S30, KROX-24, NGFI-A, TIS8, ZIF-268, ZNF225

CATALOG NO.: XAV-8478

SPECIES REACTIVITY: Human

SIZE: 58kDa

BACKGROUND:

Early Growth Response Protein 1 (EGR1, Krox-24 protein, nerve growth factor-induced protein A, Transcription factor ETR103, Zinc finger protein 225) 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 differentiation and mitogenesis. Studies suggest this is a cancer suppressor gene.

SOURCE:

Anti- EGR1 polyclonal antibody produced in rabbits immunized with synthetic peptide corresponding peptide with internal ID P03222 of human EGR1. Rabbit Ig G is purified by peptide affinity chromatography method.

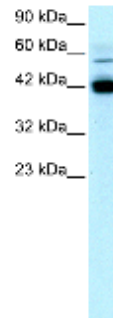
APPLICATION:

This polyclonal antibody can be used for the detection of synthetic peptide corresponding peptide with internal ID P03222 of human EGR1 by Immunoblot and Immunohistochemistry; Western blot at a suggested dilution at 1.0-5.0 ug/ml in 5% skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1: 50,000 - 100,037 as second antibody. Suggested starting concentrations are provided. Optimal dilutions should be determined by end-user. Differences in calculated versus apparent molecular weight may be due to post-translational modifications or protein hydrophobicity. **This product is for research use only.**

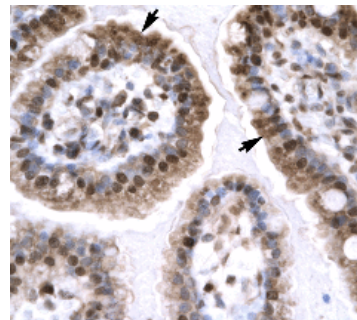
STORAGE:

Antibody is lyophilized in PBS buffer with 2% sucrose. Add 100 ul of distilled water. Final antibody concentration is 1 mg/ml. For

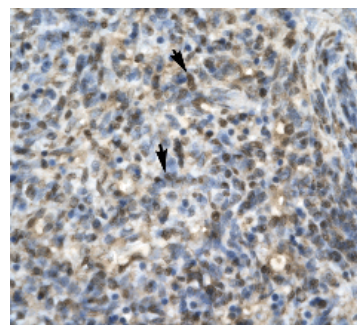
longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycle.



Western blot analysis of EGR1 in Jurkat cell lysate using anti-EGR1 (**Catalog No. XAV-8478**).



Immunohistochemistry of EGR1 in human intestine paraffin embedded tissue using anti- EGR1 (**Catalog No. XAV-8478**) at 4.0-8.0 µg/ml.



Immunohistochemistry of EGR1 in human spleen paraffin embedded tissue using anti- EGR1 (**Catalog No. XAV-8478**) at 4.0-8.0 µg/ml.

REFERENCES:

Yu, J., et al., (2004) Mol. Cell 15(1), 83-94