

Anti-EGR1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

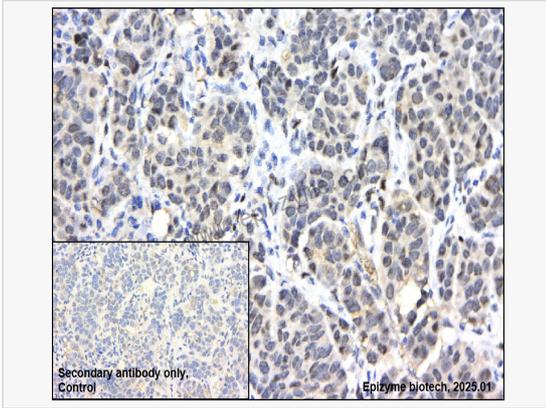
Catalog # R014802

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	11R52C06
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Egr1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-EGR1 Rabbit mAb [11R52C06] is for research use only and not for use in diagnostic or therapeutic procedures.

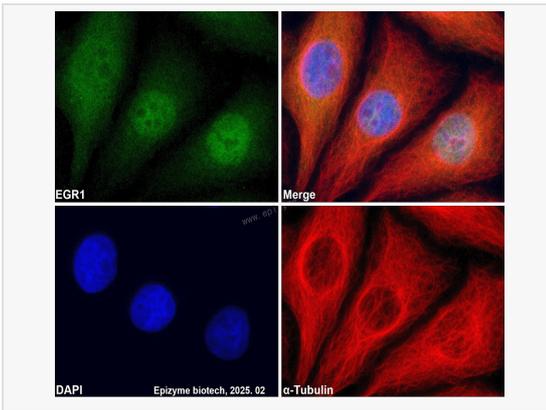
Protein Information

Synonyms	AT225, Early growth response 1, Early growth response protein 1, EGR 1, EGR-1, EGR1, EGR1_HUMAN, G0S30, KROX 24, KROX24, Nerve growth factor-induced clone A, Nerve growth factor-induced protein A, NGFI-A, NGFIA, TIS8, Transcription factor ETR103, Transcription factor Zif268, ZIF 268, ZIF268, Zinc finger protein 225, Zinc finger protein Krox-24, ZNF225.
Calculated MW	Calculated MW: 58 kDa; Observed MW: 80 kDa
Uniprot ID	P18146
Gene ID	1958
Background	Transcriptional regulator. Recognizes and binds to the DNA sequence 5'-CGCCCCGC-3'(EGR-site). Activates the transcription of target genes whose products are required for mitogenesis and differentiation.
Cellular Location	Nucleus.



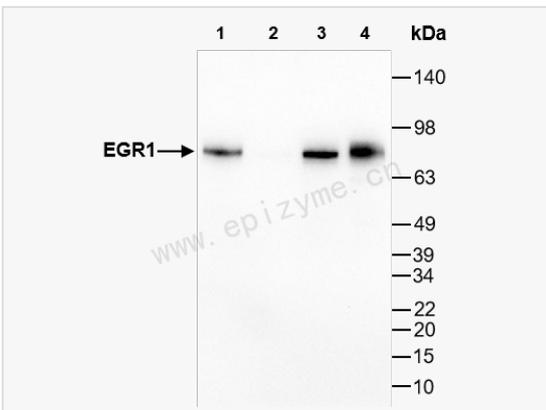
Immunohistochemistry - Anti-EGR1 Rabbit mAb [11R52C06]

Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
 Primary antibody: R014802 at 1:100 dilution
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
 DAB was used as the chromogen.
 Counter stained with hematoxylin.
 Positive/negative staining were presented.
 Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-EGR1 Rabbit mAb [11R52C06]

Sample: HeLa cells
 The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
 Primary antibodies: R014802 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
 Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
 Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-EGR1 Rabbit mAb [11R52C06]

All lanes: R014802 at 1:1,000 dilution
 Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
 Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
 Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
 Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
 Lysates/proteins at 10 μ g per lane.
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
 Predicted band size: 58 kDa
 Observed band size: 80 kDa
 Developed using the ECL technique (Cat. No. SQ201).