



## Mouse anti-Human EGR1 polyclonal antibody (DPAB-DC830)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene 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.
<b>Immunogen</b>	EGR1 (NP_001955, 444 a.a. ~ 543 a.a) partial recombinant protein with GST tag. The sequence is SPVATSYPSPVTTSYPSATTSPVPTSFSSPGSSTYPSPVHSGFPSPSVATTYSSVP PAFPAQVSSFPSSAVTNFSASTGLSDMTATFSPRTEIC
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Cell lysate), WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">EGR1 early growth response 1 [ Homo sapiens (human) ]</a>
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<b>Official Symbol</b>	EGR1
<b>Synonyms</b>	EGR1; early growth response 1; TIS8; AT225; G0S30; NGFI-A; ZNF225; KROX-24; ZIF-268; early growth response protein 1; EGR-1; zinc finger protein 225; transcription factor ETR103; transcription factor Zif268; zinc finger protein Krox-24; nerve growth factor-induced protein A;
<b>Entrez Gene ID</b>	<a href="#">1958</a>
<b>Protein Refseq</b>	<a href="#">NP_001955</a>
<b>UniProt ID</b>	<a href="#">P18146</a>
<b>Chromosome Location</b>	5q31.1
<b>Pathway</b>	BDNF signaling pathway; Cytokine Signaling in Immune system; ErbB1 downstream signaling; HTLV-I infection
<b>Function</b>	DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II core promoter sequence-specific DNA binding; double-stranded DNA binding

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