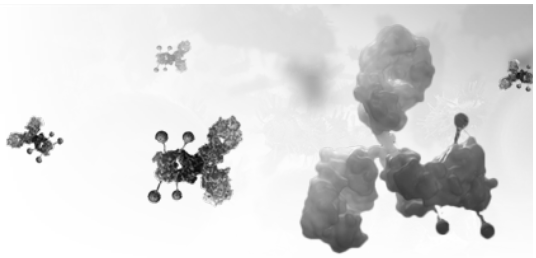

Rabbit Anti-EGR1 Polyclonal antibody (CPBT-67391RE)

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

PRODUCT INFORMATION

Product Overview	This product recognizes human Early Growth Response Protein 1, (EGR1), a 57.5 kDa nuclear protein belonging to the EGR family of C2H2-type zinc-finger proteins. EGR1 functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Research has also demonstrated that EGR1 expression is elevated in a range of cancers including prostate cancer where EGR1 has been shown to promote the growth of tumour cells.
Specificity	EGR1
Immunogen	A synthetic peptide sequence corresponding to amino acid 94 - 108 of human EGR1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA; IHC-P; WB
Format	Purified IgG - liquid
Size	50 µg
Preservative	0.01% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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GENE INFORMATION

Gene Name	EGR1 early growth response 1 [Homo sapiens (human)]
Official Symbol	EGR1
Synonyms	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 facto
Entrez Gene ID	1958
Protein Refseq	NP_001955
UniProt ID	P18146
Chromosome Location	5q31.1
Pathway	BDNF signaling pathway; Calcineurin-regulated NFAT-dependent transcription in lymphocytes; Cytokine Signaling in Immune system; Downstream signaling in naive CD8+ T cells; ErbB1 downstream signaling; Glucocorticoid receptor regulatory network; HTLV-I infection; Immune System;
Function	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; histone acetyltransferase binding; metal ion binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding; transcription regulatory region sequence-specific DNA binding;

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