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Rabbit Anti-BRF2 antibody

SL6882R

Product Name:	BRF2
Chinese Name:	表皮生长因子反应蛋白2抗体
Alias:	ZFP36L2; BRF2; Butyrate response factor 2; EGF response factor 2; ERF 2; ERF2; Protein TIS11D; RNF162C; zinc finger protein 36, C3H type like 2; BRF2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	46kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TIS11D:151-250/419
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	TIS11D is a member of the TIS11 family of early response genes. Family members are induced by various agonists such as the phorbol ester TPA and the polypeptide mitogen EGF. The encoded protein contains a distinguishing putative zinc finger domain with a repeating cys-his motif. This putative nuclear transcription factor most likely functions in regulating the response to growth factors.

Function:
General activator of RNA polymerase III transcription. Factor exclusively required for RNA polymerase III transcription of genes with promoter elements upstream of the initiation sites.

Subunit:
Component of TFIIIB complex. The TFIIIB complex has two activities, alpha and beta. The TFIIIB-alpha activity complex is composed of TBP, BDP1, and a complex containing both BRF2 and at least four stably associated proteins; this complex inhibits the transcription by pol III via its phosphorylation by CK2; YY1 facilitates the TFIIIB-alpha complex formation. BRF2 recruitment to the TATA box containing small nuclear RNA (snRNA) gene templates is TBP-dependent. Interacts with TBP; this interaction with TBP mediates its TATA-box recruitment of these promoters. Interacts with TBP and the BURE sequence (GC-rich sequence downstream from the TATA box) to form a strong ternary complex which is joined by BDP1; this ternary complex stimulates pol III transcription. Forms a trimeric complex composed of TBP, BRF2 and mini-SNAPc complex (SNAP43, SNAP50, and the N-terminal third of SNAP190) on the promoter. Assembly of the TBP-BRF2 complex is stimulated by SNAP190. Interacts with MAF1 and SNAPC4.

Subcellular Location:
Nucleus.

Similarity:
Belongs to the TFIIB family.
Contains 1 TFIIB-type zinc finger.

SWISS:
Q9HAW0

Gene ID:
678

Database links:

UniProtKB/Swiss-Prot: Q9HAW0.1

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.