

## Product datasheet for **TA366766**

### Zhangfei (CREBZF) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue and PC3 cells IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human CREBZF
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	37 kDa
Gene Name:	CREB/ATF bZIP transcription factor
Database Link:	<a href="#">Entrez Gene 58487 Human Q9NS37</a>



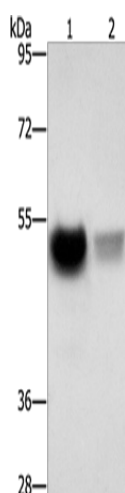
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**Background:**

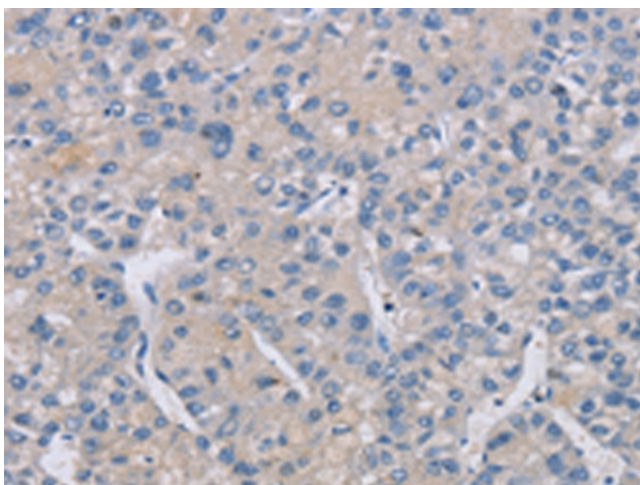
Host cell factor (HCF) is a cellular cofactor required for the activation of VP16 which expresses the herpes simplex virus immediate early gene. V16 binds to HCF through a 4-amino acid motif similar to the HCF binding domain of the basic leucine-zipper proteins Luman and Zhangfei (ZF). Luman activates promoters containing cAMP or unfolded protein response elements (UPRE). Zhangfei suppresses the transcriptional activity of Luman, but requires HCF binding which may target Luman and Zhangfei to a common location. Sequence analysis predicts that the deduced 272-amino acid Zhangfei protein has a negatively charged N terminus, a leucine zipper of 6 heptad leucine repeats separated by a conserved 6-amino acid spacer, a basic domain, and a bZIP region. It is also presumed that the N-terminal acidic region of Zhangfei is an activation domain.

**Synonyms:**

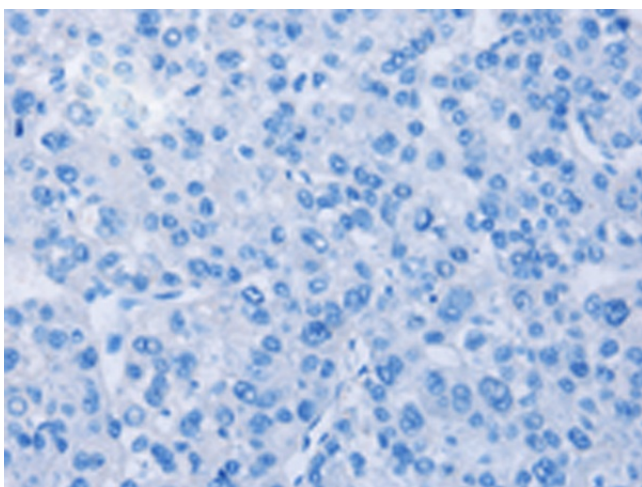
FLJ94018; SMILE; ZF; Zhangfei

**Product images:**

Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane 1-2: Mouse brain tissue  
PC3 cells  
Primary antibody: TA366766 (CREBZF Antibody)  
at dilution 1/500  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded  
Human liver cancer tissue using TA366766  
(CREBZF Antibody) at dilution 1/50 (Original  
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366766 (CREBZF Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification:  $\times 200$ )