

## Rabbit anti-Human, Mouse CREBZF Polyclonal Antibody | anti-CREBZF antibody

CREBZF Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                 |
|-----------|--------|--------------|--------------------------------------------------------------|
| AAA324141 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

CREBZF; Polyclonal Antibody; CREBZF Antibody; 1110034C16Rik; 6330417B10Rik; AI225749; AI606244; CREB/ATF bZIP transcription factor; Crebzf; FLJ94018; HCF-binding transcription factor Zhangfei; Host cell factor-binding transcription factor Zhangfei; LAZip; LAZipII; SHP-interacting leucine zipper protein; SMILE; ZF; ZHANG\_HUMAN; anti-CREBZF antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                           |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                    |
| Reactivity                                       | Human, Mouse                                                                                                                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                |
| Isotype                                          | IgG                                                                                                                                                                                                                                                       |
| Specificity                                      | CREBZF antibody detects endogenous levels of total CREBZF                                                                                                                                                                                                 |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                                                                                                             |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                             |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Length                                  | 354                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-CREBZF antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                              |
| Immunogen                                        | A synthesized peptide                                                                                                                                                                                                                                     |
| Subcellular Location                             | Nucleus. Colocalizes at punctate nuclear structures with CREB3 and HCFC1.                                                                                                                                                                                 |
| Tissue Specificity                               | In adults, expressed most abundantly in heart, liver and skeletal muscle, moderately abundant in kidney and pancreas, and barely detectable in lung. In fetal tissues, expressed most abundantly in kidney and very low amounts in heart, lung and liver. |
| Predicted Cross Reactivity                       | <b>Pig, Bovine, Sheep, Rabbit, Dog</b>                                                                                                                                                                                                                    |
| Similarity                                       | Pig (86%), Bovine (86%), Sheep (86%), Rabbit (86%), Dog (86%)                                                                                                                                                                                             |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                              |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                                                                                                         |

IMAGES



IF (Immunofluorescence)

AAA324141 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells, using CREBZF antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CREBZF antibody | <p>Function: Strongly activates transcription when bound to HCFC1. Suppresses the expression of HSV proteins in cells infected with the virus in a HCFC1-dependent manner. Also suppresses the HCFC1-dependent transcriptional activation by CREB3 and reduces the amount of CREB3 in the cell. Able to down-regulate expression of some cellular genes in CREBZF-expressing cells.</p> <p>Subunit Structure: Interacts with HCFC1; the interaction inhibits CREB3 transcriptional activity (PubMed:10871379, PubMed:15705566). Interacts with CREB3; the interaction occurs only in combination with HCFC1 (PubMed:15705566).</p> <p>Similarity: Belongs to the bZIP family. ATF subfamily.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 88900495                                      |
| NCBI GeneID                      | 58487                                         |
| NCBI Accession #                 | NP_001034707.1                                |
| NCBI GenBank Nucleotide #        | NM_001039618.2                                |
| UniProt Accession #              | Q9NS37; Q0P5U9; Q52LT3; B2R8Q9                |
| Molecular Weight                 | Observed: 26 kD<br>Predicted: 38 kDa          |
| NCBI Official Full Name          | CREB/ATF bZIP transcription factor            |
| NCBI Official Synonym Full Names | CREB/ATF bZIP transcription factor            |
| NCBI Official Symbol             | CREBZF                                        |
| NCBI Official Synonym Symbols    | ZF; SMILE                                     |
| NCBI Protein Information         | CREB/ATF bZIP transcription factor            |
| UniProt Protein Name             | CREB/ATF bZIP transcription factor            |
| UniProt Gene Name                | CREBZF                                        |
| UniProt Synonym Gene Names       | ZF; HCF-binding transcription factor Zhangfei |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.