

## Rabbit TFCP2 Polyclonal Antibody | anti-TFCP2 antibody

TFCP2 Antibody

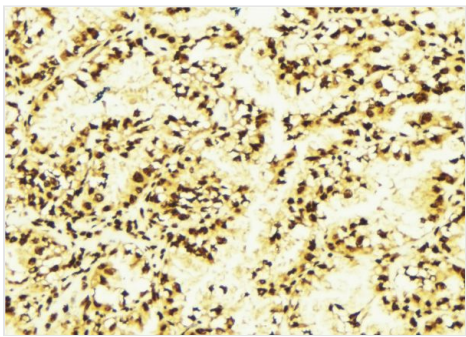
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA327096 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

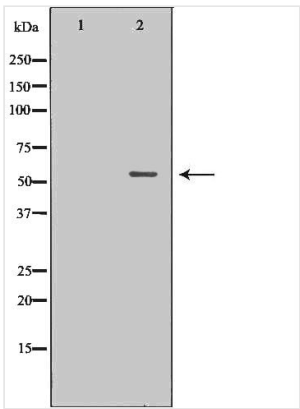
TFCP2; Polyclonal Antibody; TFCP2 Antibody; Alpha globin transcription factor CP2; Alpha-globin transcription factor CP2; CP2; Late SV40 factor; LBP 1C; LBP1C; LSF; LSF1D; SAA3 enhancer factor; SEF; TFCP2\_HUMAN; TFCP2C; Transcription factor CP2; Transcription factor LSF; anti-TFCP2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                            |
| Reactivity                                      | Human, Mouse, Rat                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                        |
| Isotype                                         | IgG                                                                                                               |
| Specificity                                     | TFCP2 antibody detects endogenous levels of total TFCP2                                                           |
| 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                                 | 501                                                                                                               |
| Applicable Applications for anti-TFCP2 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                              |
| Immunogen                                       | A synthesized peptide derived from human TFCP2                                                                    |
| Subcellular Location                            | Nucleus.                                                                                                          |
| Tissue Specificity                              | Ubiquitous. Expressed in brain, ovary, kidney, thymus, spleen, liver, adrenal, heart and lung (at protein level). |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken</b>                                                            |
| Similarity                                      | Pig (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%)                    |
| Conjugation                                     | Unconjugated                                                                                                      |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                 |



**IHC (Immunohistochemistry)**  
AAA327096 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**  
Western blot analysis of 293T whole cell lysates, using TFCP2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TFCP2 antibody

Description: This gene encodes a transcription factor that binds the alpha-globin promoter and activates transcription of the alpha-globin gene. The encoded protein regulates erythroid gene expression, plays a role in the transcriptional switch of globin gene promoters, and it activates many other cellular and viral gene promoters. The gene product interacts with certain inflammatory response factors, and polymorphisms of this gene may be involved in the pathogenesis of Alzheimer's disease.

Function: Binds a variety of cellular and viral promoters including fibrinogen, alpha-globin, SV40 and HIV-1 promoters. Activation of the alpha-globin promoter in erythroid cells is via synergistic interaction with UBP1 (By similarity). Functions as part of the SSP (stage selector protein) complex. Facilitates the interaction of the gamma-globin genes with enhancer elements contained in the locus control region in fetal erythroid cells. Interacts by binding to the stage selector element (SSE) in the proximal gamma-globin promoter.

Subunit Structure: Binds to DNA as a dimer, isoform 3 does not bind to DNA or affect the binding of isoform 1 to DNA. Interacts with UBP1 and PIAS1, and is probably part of a complex containing TFCP2, UBP1 and PIAS1 (By similarity). Component of the SSP (stage selector protein) complex, which appears to be a heteromer of TFCP2 and 2 copies of NFE4.

Similarity: Belongs to the grh/CP2 family. CP2 subfamily.

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 291219874                                       |
| NCBI GeneID                      | 7024                                            |
| NCBI Accession #                 | NP_001166923.1                                  |
| NCBI GenBank Nucleotide #        | NM_001173452.1                                  |
| UniProt Accession #              | Q12800; Q12801; Q9UD75; Q9UD77; A8K5E9          |
| Molecular Weight                 | Observed: 57 kDa<br>Predicted: 58 kDa           |
| NCBI Official Full Name          | alpha-globin transcription factor CP2 isoform 2 |
| NCBI Official Synonym Full Names | transcription factor CP2                        |
| NCBI Official Symbol             | TFCP2                                           |
| NCBI Official Synonym Symbols    | LSF; SEF; LBP1C; LSF1D; TFCP2C                  |
| NCBI Protein Information         | alpha-globin transcription factor CP2           |
| UniProt Protein Name             | Alpha-globin transcription factor CP2           |

|                            |          |
|----------------------------|----------|
| UniProt Gene Name          | TFCP2    |
| UniProt Synonym Gene Names | LSF; SEF |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tfcp2-antibody-immunohistochemistry-western-blot-elisa/327096>