

## Rabbit anti-Human, Mouse TF2E2 Polyclonal Antibody | anti-TF2E2 antibody

TF2E2 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                       |
|-----------|--------|--------------|------------------------------------------------------------------------------------|
| AAA323852 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

TF2E2; Polyclonal Antibody; TF2E2 Antibody; FE; General transcription factor IIE subunit 2; General transcription factor IIE; polypeptide 2; beta 34kDa; gtf2e2; T2EB\_HUMAN; TF2E 2; TFIIE B; TFIIE-beta; Transcription initiation factor IIE beta subunit; Transcription initiation factor IIE subunit beta; anti-TF2E2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                        |
| Reactivity                                      | Human, Mouse                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                    |
| Isotype                                         | IgG                                                                                                           |
| Specificity                                     | TF2E2 antibody detects endogenous levels of total TF2E2                                                       |
| 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                                 | 291                                                                                                           |
| Applicable Applications for anti-TF2E2 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)      |
| Immunogen                                       | A synthesized peptide                                                                                         |
| Subcellular Location                            | Nucleus.                                                                                                      |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                               |
| Similarity                                      | Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (91%), Chicken (91%), Xenopus (82%) |
| Conjugation                                     | Unconjugated                                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                             |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using TF2E2 antibody.



#### IF (Immunofluorescence)

AAA323852 staining HeLa cells 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) antibody, diluted at 1/600, was used as secondary antibody.



#### IHC (Immunohistochemistry)

AAA323852 at 1/100 staining Human breast cancer 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.

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-TF2E2 antibody</b> | Function: Recruits TFIIH to the initiation complex and stimulates the RNA polymerase II C-terminal domain kinase and DNA-dependent ATPase activities of TFIIH. Both TFIIH and TFIIIE are required for promoter clearance by RNA polymerase.<br>Subunit Structure: Tetramer of two alpha and two beta chains. Interacts with FACT subunit SUPT16H. Interacts with ATF7IP.<br>Similarity: Belongs to the TFIIIE beta subunit family. |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 4504195                                                    |
| NCBI GeneID                      | 2961                                                       |
| NCBI Accession #                 | NP_002086.1                                                |
| NCBI GenBank Nucleotide #        | NM_002095.5                                                |
| UniProt Accession #              | P29084; Q9H2B9; D3DSV2                                     |
| Molecular Weight                 | Observed: 33 kD<br>Predicted: 34 kDa                       |
| NCBI Official Full Name          | transcription initiation factor IIE subunit beta isoform 1 |
| NCBI Official Synonym Full Names | general transcription factor IIE subunit 2                 |
| NCBI Official Symbol             | GTF2E2                                                     |
| NCBI Official Synonym Symbols    | FE; TTD6; TF2E2; TFIIIE-B                                  |
| NCBI Protein Information         | transcription initiation factor IIE subunit beta           |
| UniProt Protein Name             | Transcription initiation factor IIE subunit beta           |
| UniProt Gene Name                | <b>GTF2E2</b>                                              |
| UniProt Synonym Gene Names       | TF2E2; TFIIIE-beta                                         |

**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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