# antibodies -online.com





## anti-TCEAL1 antibody (Middle Region)





Publication



Go to Product page

| Overview              |  |
|-----------------------|--|
| Quantity:             | 100 μL   |
| Target:               | TCEAL1   |
| Binding Specificity:  | Middle Region  |
| Reactivity:           | Human, Mouse, Rat, Cow, Dog, Horse, Pig, Rabbit  |
| Host:                 | Rabbit   |
| Clonality:            | Polyclonal   |
| Conjugate:            | This TCEAL1 antibody is un-conjugated  |
| Application:          | Western Blotting (WB)  |
| Product Details       |  |
| Immunogen:            | The immunogen is a synthetic peptide directed towards the middle region of human TCEAL1  |
| Sequence:             | RPQFRGDIHG RNLSNEEMIQ AADELEEMKR VRNKLMIMHW KAKRSRPYPI   |
| Predicted Reactivity: | Cow: 85%, Dog: 85%, Horse: 85%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%                                      |
| Characteristics:      | This is a rabbit polyclonal antibody against TCEAL1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified  |
| Target Details        |  |
| Target:               | TCEAL1   |

### **Target Details**

| Alternative Name:   | TCEAL1 (TCEAL1 Products)   |
|---------------------|--|
| Background:         | TCEAL1 is a member of the transcription elongation factor A (SII)-like (TCEAL) protein family.       |
|                     | Members of this family may function as nuclear phosphoproteins that modulate transcription in        |
|                     | a promoter context-dependent manner. TCEAL1 is similar to transcription elongation factor            |
|                     | A/transcription factor SII and contains a zinc finger-like motif as well as a sequence related to    |
|                     | the transcription factor SII Pol II-binding region. It may exert its effects via protein-protein     |
|                     | interactions with other transcriptional regulators rather than via direct binding of DNA. This       |
|                     | gene encodes a member of the transcription elongation factor A (SII)-like (TCEAL) gene family.       |
|                     | Members of this family may function as nuclear phosphoproteins that modulate transcription in        |
|                     | a promoter context-dependent manner. The encoded protein is similar to transcription                 |
|                     | elongation factor A/transcription factor SII and contains a zinc finger-like motif as well as a      |
|                     | sequence related to the transcription factor SII Pol II-binding region. It may exert its effects via |
|                     | protein-protein interactions with other transcriptional regulators rather than via direct binding of |
|                     | DNA. Multiple family members are located on the X chromosome. Alternative splicing results in        |
|                     | multiple transcript variants encoding a single isoform.  |
|                     | Alias Symbols: SIIR, p21, pp21   |
|                     | Protein Interaction Partner: MAPK14, DYRK1B, UBC, HOXB6, USP11, TCEAL2, TCEAL4, FEM1C,               |
|                     | PPP2R2D, KDM3A, FEM1A, TIPIN, PDCD5, GMPS, CUL2, USP7, TCEB1, RFC1, HSPA4L, SSR3,                    |
|                     | PPP2R2A,   |
|                     | Protein Size: 159  |
| Molecular Weight:   | 19 kDa   |
| Gene ID:            | 9338   |
| NCBI Accession:     | NM_004780, NP_004771   |
| UniProt:            | Q15170   |
| Application Details |  |
| Application Notes:  | Optimal working dilutions should be determined experimentally by the investigator.                   |
| Comment:            | Antigen size: 159 AA   |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Format:             | Liquid   |
|                     |  |

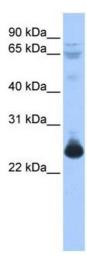
#### Handling

| Concentration:     | Lot specific  |
|--------------------|---|
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                                     |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.  |
| Storage:           | -20 °C  |
| Storage Comment:   | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Publications       |   |

Product cited in:

Schlögl, Keinrath, Zimmermann, Scherer, Leeb, Pfurtscheller: "A fully automated correction method of EOG artifacts in EEG recordings." in: Clinical neurophysiology: official journal of the International Federation of Clinical Neurophysiology, Vol. 118, Issue 1, pp. 98-104, (2006) (PubMed).

#### **Images**



#### **Western Blotting**

**Image 1.** WB Suggested Anti-TCEAL1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle