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# Anti-TFCP2L1 Antibody
**Rabbit polyclonal antibody to TFCP2L1**
**Catalog # AP60206**

## Specification

### Anti-TFCP2L1 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q9NZI6 |
| Other Accession | Q3UNW5 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **54627** |

### Anti-TFCP2L1 Antibody - Additional Information

**Gene ID** 29842

**Other Names**
CRTR1; LBP9; Transcription factor CP2-like protein 1; CP2-related transcriptional repressor 1; CRTR-1; Transcription factor LBP-9

**Target/Specificity**
Recognizes endogenous levels of TFCP2L1 protein.

**Dilution**
WB~~WB (1/500 - 1/1000)

**Format**
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**
Store at -20 °C.Stable for 12 months from date of receipt

### Anti-TFCP2L1 Antibody - Protein Information

**Name** TFCP2L1

**Synonyms** CRTR1, LBP9

**Function**
Transcription factor that facilitates establishment and maintenance of pluripotency in embryonic stem cells (ESCs) (PubMed:<a href="http://www.uniprot.org/citations/25215486" target="_blank">25215486</a>, PubMed:<a href="http://www.uniprot.org/citations/26906118" target="_blank">26906118</a>). With KLF2, acts as the major effector of self-renewal that mediates induction of pluripotency downstream of LIF/STAT3 and Wnt/beta-catenin signaling (By similarity). Required for normal duct development in the salivary gland and kidney (By similarity).

Coordinates the development of the kidney collecting ducts intercalated (IC) and principal (PC) cells, which regulate acid- base and salt-water homeostasis, respectively (By similarity). Regulates the expression of IC genes including subunits B1 and D2 of the V-ATPase complex, OXGR1, CA12, SLC4A1, AQP6 and IC-specific transcription factor FOXI1 (By similarity). Also regulates the expression of JAG1 and subsequent notch signaling in the collecting duct (By similarity). JAG1 initiates notch signaling in PCs but inhibits notch signaling in ICs (By similarity). Acts as a transcriptional suppressor that may suppress UBP1-mediated transcriptional activation (By similarity). Modulates the placental expression of CYP11A1 (PubMed:<a href="http://www.uniprot.org/citations/10644752" target="_blank">10644752</a>).

**Cellular Location**
Nucleus.

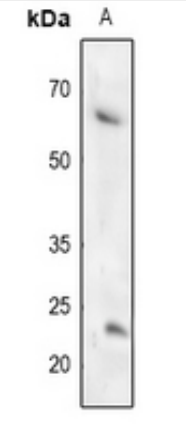
**Tissue Location**
Highly expressed in placental JEG-3 cells and very low levels of expression in non-steroidogenic cells. No expression was seen in adrenal NCI-H295A cells or in adrenal tissue

## Anti-TFCP2L1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-TFCP2L1 Antibody - Images




Western blot analysis of TFCP2L1 expression in HEK293T (A) whole cell lysates.

## Anti-TFCP2L1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human TFCP2L1. The exact sequence is proprietary.