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TFCP2L1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13438b

Specification

TFCP2L1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NZI6
Other Accession	Q3UNW5, NP_055368.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54627**
Antigen Region	**342-370**

TFCP2L1 Antibody (C-term) - Additional Information

Gene ID 29842

Other Names
Transcription factor CP2-like protein 1, CP2-related transcriptional repressor 1, CRTR-1, Transcription factor LBP-9, TFCP2L1, CRTR1, LBP9

Target/Specificity
This TFCP2L1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 342-370 amino acids from the C-terminal region of human TFCP2L1.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TFCP2L1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TFCP2L1 Antibody (C-term) - Protein Information

Name TFCP2L1

Synonyms CRTR1, LBP9

Function Transcription factor that facilitates establishment and maintenance of pluripotency in embryonic stem cells (ESCs) (PubMed:25215486, PubMed:26906118). 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:10644752).

Cellular Location
Nucleus.

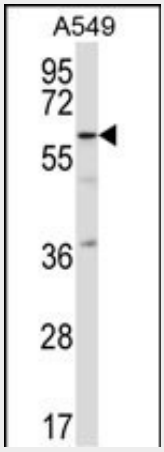
Tissue Location
Highly expressed in placental JEG-3 cells and very low levels of expression in non-steroidogenic cells. No expression was seen in adrenal NCI-H295A cells or in adrenal tissue

TFCP2L1 Antibody (C-term) - 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

TFCP2L1 Antibody (C-term) - Images



TFCP2L1 Antibody (C-term) (Cat. #AP13438b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the TFCP2L1 antibody detected the TFCP2L1 protein (arrow).

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TFCP2L1 Antibody (C-term) - Background

TFCP2L1 is a transcriptional suppressor. May suppress UBP1-mediated transcriptional activation. Modulates the placental expression of CYP11A1.

TFCP2L1 Antibody (C-term) - References

To, S., et al. PLoS ONE 5 (7), E11702 (2010) :
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Hillier, L.W., et al. Nature 434(7034):724-731(2005)
Huang, N., et al. Mol. Endocrinol. 19(2):409-420(2005)
Rodda, S., et al. J. Biol. Chem. 276(5):3324-3332(2001)