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CRTR1 / TFCP2L1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15617

Specification

CRTR1 / TFCP2L1 Antibody (N-Terminus) - Product Information

Application	**IHC, IF, WB**
Primary Accession	Q9NZI6
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**55kDa KDa**

CRTR1 / TFCP2L1 Antibody (N-Terminus) - 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
Human TFCP2L1 / CRTR1.

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
CRTR1 / TFCP2L1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CRTR1 / TFCP2L1 Antibody (N-Terminus) - 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). Regulates also 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.

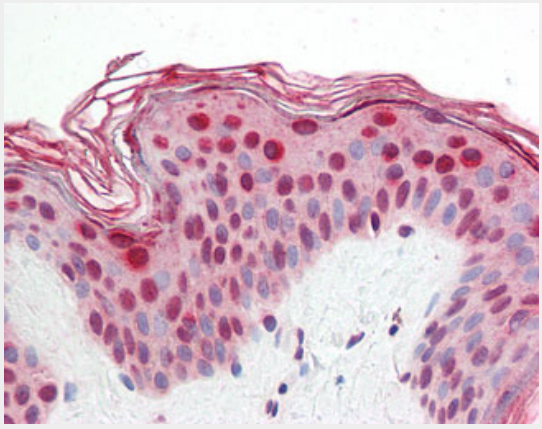
Tissue Location
Highly expressed in placental JEG-3 cells and very low levels of expression in non-steroidogenic cells. No expression was seen in adrenal NCI-H295A cells or in adrenal tissue

CRTR1 / TFCP2L1 Antibody (N-Terminus) - 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

CRTR1 / TFCP2L1 Antibody (N-Terminus) - Images



Anti-CRTR1 / TFCP2L1 antibody IHC staining of human skin.

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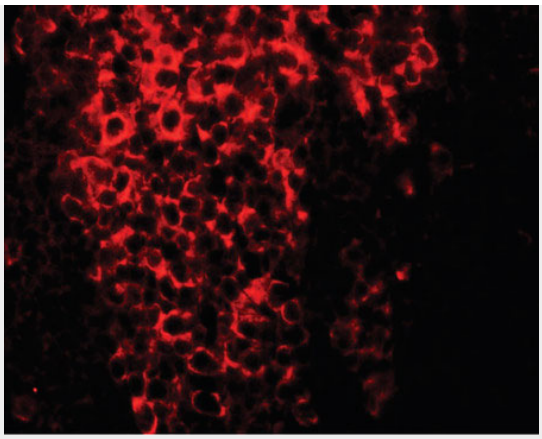
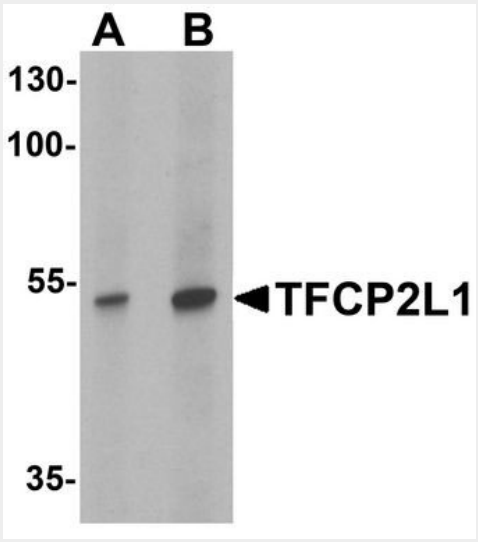


Immunofluorescence of TFCP2L1 in rat colon tissue with TFCP2L1 antibody at 20 ug/ml.



Western blot analysis of TFCP2L1 in human colon tissue lysate with TFCP2L1 antibody at (A) 1 and...

CRTR1 / TFCP2L1 Antibody (N-Terminus) - Background

Transcriptional suppressor. May suppress UBP1-mediated transcriptional activation. Required for normal duct development in the salivary gland and kidney (By similarity). Modulates the placental expression of CYP11A1.

CRTR1 / TFCP2L1 Antibody (N-Terminus) - References

Huang N.,et al.J. Biol. Chem. 275:2852-2858(2000).
Hillier L.W.,et al.Nature 434:724-731(2005).