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Goat Anti-TBL1X / TBL1XR1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2069a

Specification

Goat Anti-TBL1X / TBL1XR1 Antibody - Product Information

Application	**IHC**
Primary Accession	O60907
Other Accession	NP_078941, 6907, 79718
Reactivity	**Human**
Predicted	**Mouse, Rat, Cow, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**62496**

Goat Anti-TBL1X / TBL1XR1 Antibody - Additional Information

Gene ID 6907

Other Names
F-box-like/WD repeat-containing protein TBL1X, SMAP55, Transducin beta-like protein 1X, Transducin-beta-like protein 1, X-linked, TBL1X, TBL1

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-TBL1X / TBL1XR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-TBL1X / TBL1XR1 Antibody - Protein Information

Name TBL1X

Synonyms TBL1

Function
F-box-like protein involved in the recruitment of the ubiquitin/19S proteasome complex to nuclear receptor-regulated transcription units (PubMed:14980219). Plays an

essential role in transcription activation mediated by nuclear receptors. Probably acts as integral component of corepressor complexes that mediates the recruitment of the 19S proteasome complex, leading to the subsequent proteasomal degradation of transcription repressor complexes, thereby allowing cofactor exchange (PubMed:21240272).

Cellular Location
Nucleus. Note=Colocalized with MECP2 to the heterochromatin foci. {ECO:0000250|UniProtKB:Q9QXE7}

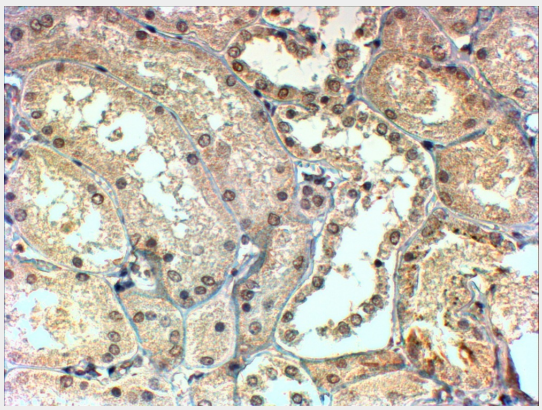
Tissue Location
Ubiquitous..

Goat Anti-TBL1X / TBL1XR1 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

Goat Anti-TBL1X / TBL1XR1 Antibody - Images



AF2069a (4µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

Goat Anti-TBL1X / TBL1XR1 Antibody - Background

The protein encoded by this gene has sequence similarity with members of the WD40 repeat-containing protein family. The WD40 group is a large family of proteins, which appear to have a regulatory function. It is believed that the WD40 repeats mediate protein-protein interactions and members of the family are involved in signal transduction, RNA processing, gene regulation, vesicular trafficking, cytoskeletal assembly and may play a role in the control of cytotypic differentiation. This encoded protein is found as a subunit in corepressor SMRT (silencing mediator for retinoid and thyroid receptors) complex along with histone deacetylase 3 protein. This gene is located adjacent to the ocular albinism gene and it is thought to be involved in the

pathogenesis of the ocular albinism with late-onset sensorineural deafness phenotype. Four transcript variants encoding two different isoforms have been found for this gene. This gene is highly similar to the Y chromosome TBL1Y gene.

Goat Anti-TBL1X / TBL1XR1 Antibody - References

TBL1 and TBLR1 phosphorylation on regulated gene promoters overcomes dual CtBP and NCoR/SMRT transcriptional repression checkpoints. Perissi V, et al. Mol Cell, 2008 Mar 28. PMID 18374649.
Histone deacetylase 3 localizes to the mitotic spindle and is required for kinetochore-microtubule attachment. Ishii S, et al. Proc Natl Acad Sci U S A, 2008 Mar 18. PMID 18326024.
TBL1-TBLR1 and beta-catenin recruit each other to Wnt target-gene promoter for transcription activation and oncogenesis. Li J, et al. Nat Cell Biol, 2008 Feb. PMID 18193033.
Novel functional features of the Lis-H domain: role in protein dimerization, half-life and cellular localization. Gerlitz G, et al. Cell Cycle, 2005 Nov. PMID 16258276.
Reading and function of a histone code involved in targeting corepressor complexes for repression. Yoon HG, et al. Mol Cell Biol, 2005 Jan. PMID 15601853.