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TBL1X/SMAP55 Rabbit pAb

Catalog # AP96707

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O60907
Other Accession	O60907
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62496
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TBL1X
Epitope Specificity	501-577/577
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the WD repeat EBI family.Contains 1 F-box-like domain. Contains 1 LisH domain. Contains 8 WD repeats.
SUBUNIT	Component of the N-Cor repressor complex, at least composed of NCOR1, NCOR2, HDAC3, TBL1X, TBL1R, CORO2A and GPS2. Component of a E3 ubiquitin ligase complex containing UBE2D1, SIAH1, CACYBP/SIP, SKP1, APC and TBL1X. Probably part of other corepressor complexes, that do not contain NCOR1 and NCOR2. Interacts with histones H2B, H3a and H4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq].

Additional Information

Gene ID	6907
Other Names	TBL1; TBL1X; CHNG8; EBI; SMAP55; 5330429M20; RGD1563868; zgc:158242;

	TBL1X_HUMAN; Transducin beta-like protein 1X; Transducin-beta-like protein 1, X-linked; TBL1X_MOUSE; transducin beta like 1 X-linked; transducin (beta)-like 1; transducin (beta)-like 1X-linked
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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..

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