Immunotag™ TBL1XR1 Monoclonal Antibody

Antibody Specification

Catalog No.	ITM1102
Product Description	Immunotag™ TBL1XR1 Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TBL1XR1
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF
Recommended Dilution	Western Blot: 1/1000 - 1/2000. Immunohistochemistry: 1/500 - 1/1000. Immunofluorescence: 1/100 - 1/500. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat,Bovine,Chicken,Dog,Pig,Zebrafisheep
Host Species	Mouse
Immunogen	Purified recombinant human TBL1XR1 protein fragments expressed in E.coli.
Specificity	TBL1XR1 Monoclonal Antibody detects endogenous levels of TBL1XR1 protein.
Purification	Affinity purification
Form	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Gene Name	TBL1XR1
Accession No.	Q9BZK7 Q8BHJ5
Alternate Names	TBL1XR1; IRA1; TBLR1; F-box-like/WD repeat-containing protein TBL1XR1; Nuclear receptor corepressor/HDAC3 complex subunit TBLR1; TBL1-related protein 1; Transducin beta-like 1X-related protein 1

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Description	transducin beta like 1 X-linked receptor 1(TBL1XR1) Homo sapiens This gene is a member of the WD40 repeat-containing gene family and shares sequence similarity with transducin (beta)-like 1X-linked (TBL1X). The protein encoded by this gene is thought to be a component of both nuclear receptor corepressor (N-CoR) and histone deacetylase 3 (HDAC 3) complexes, and is required for transcriptional activation by a variety of transcription factors. Mutations in these gene have been associated with some autism spectrum disorders, and one finding suggests that haploinsufficiency of this gene may be a cause of intellectual disability with dysmorphism. Mutations in this gene as well as recurrent translocations involving this gene have also been observed in some tumors. [provided by RefSeq, Mar 2016],
Cell Pathway/ Category	WNT,WNT-T CELL
Protein Expression	Adrenal cortex,Liver,Skin,
Subcellular Localization	histone deacetylase complex,nucleus,nucleoplasm,spindle microtubule,integral component of membrane,transcriptional repressor complex,
Protein Function	domain:The F-box-like domain is related to the F-box domain, and apparently displays the same function as component of ubiquitin E3 ligase complexes.,function:F-box-like protein involved in the recruitment of the ubiquitin/19S proteasome complex to nuclear receptor-regulated transcription units. Plays an essential role in transcription activation mediated by nuclear receptors. Probably acts as integral component of the N-Cor corepressor complex that mediates the recruitment of the 19S proteasome complex, leading to the subsequent proteosomal degradation of N-Cor complex, thereby allowing cofactor exchange, and transcription activation.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the WD repeat EBI family.,similarity:Contains 1 F-box-like domain.,similarity:Contains 1 LisH domain.,similarity:Contains 8 WD repeats.,subunit:Component of the N-Cor repressor complex, at least composed of NCOR1, NCOR2, HDAC3, TBL1X, TBL1XR1, CORO2A and GPS2. Probable component of some E3 ubiquitin ligase complex. Interacts with histones H2B and H4.,tissue specificity:Ubiquitous.,
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