

A Reliable Research Partner in Life Science and Medicine

Recombinant TBLR1/TBL1XR1 Monoclonal Antibody

catalog number: AN301924L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human;Rat;Mouse

Immunogen Recombinant human TBLR1/TBL1XR1 fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A640

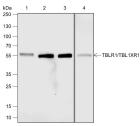
Purification Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:2000-1:5000 **IHC** 1:50-1:100

Data

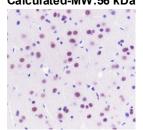


Western Blot with TBLR1/TBL1XR1 Monoclonal Antibody at dilution of 1:5000. Lane 1: K562, Lane 2: HeLa, Lane 3:

Immunohistochemistry of paraffin-embedded Mouse

cerebrum using TBLR1/TBL1XR1 Monoclonal Antibody at dilution of 1:100.

Jurkat, Lane 4: C6
Observed-MW:60 kDa
Calculated-MW:56 kDa



Immunohistochemistry of paraffin-embedded Rat cerebrum using TBLR1/TBL1XR1 Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping lce bag

Background

For Research Use Only

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TBL1-related protein 1 (TBLR1/TBL1XR1) and Transducing β -like protein 1 (TBL1X/TBL1) were originally identified as subunits of the co-repressor silencing mediator for retinoic and thyroid hormone receptor (SMRT) and nuclear receptor co-repressor (NCoR) complexes. These two factors are required for the exchange of co-repressor complexes for co-activators by acting as adaptors to recruit the ubiquitin/proteasome machinery that degrades the co-repressor proteins during ligand mediated activation of transcription. Co-factor exchange driven by TBLR1/TBL1XR1 and TBL1X/TBL1 appears to be the mechanism by which c-Jun and NF-kB mediated transcription is activated and is therefore likely to be the mechanism employed by other signal-dependent transcription factors as well. In addition, both TBLR1/TBL1XR1 and TBL1X/TBL1 have essential roles in regulating the Wnt-signaling pathway by recruiting β -catenin to Wnt target genes to activate transcription. Depletion of TBLR1/TBL1XR1 significantly inhibited Wnt-beta-catenin- induced gene expression and oncogenic growth in vitro and in vivo. Research studies have shown that upregulation of TBLR1/TBL1XR1 is observed in a variety of solid tumors, and is correlated with advanced tumor stag e, metastasis and poor prognosis.

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