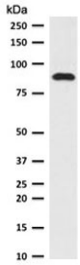
TLE1 Antibody for WB / Transducin-Like Enhancer Protein 1 Western Blot Antibody [clone TLEP1-1] (V3890)

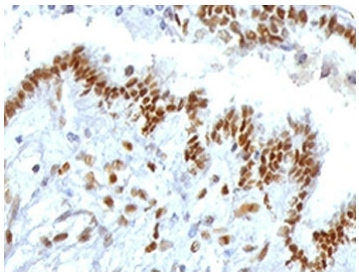
Catalog No.	Formulation	Size
V3890-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3890-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3890SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	TLEP1-1
Purity	Protein G affinity chromatography
UniProt	Q04724
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This TLE1 antibody is available for research use only.



TLE1 Antibody for WB / Transducin-Like Enhancer Protein 1 Western Blot Antibody western blot analysis of human HeLa cells. Lane 1: human HeLa whole cell lysate. Proteins were separated by SDS-PAGE and transferred to a membrane for immunoblot detection using the mouse monoclonal TLE1 Antibody for WB / Transducin-Like Enhancer Protein 1 Western Blot Antibody clone TLEP1-1. A band is detected at approximately 83 kDa, consistent with the predicted molecular weight of Transducin-Like Enhancer Protein 1 (TLE1). The observed band corresponds to endogenous expression of the Groucho family transcriptional corepressor in human epithelial cell lysates, demonstrating suitability of clone TLEP1-1 for western blot detection of TLE1 protein.



IHC testing of FFPE human endometrial carcinoma with TLE1 antibody (clone TLEP1-1). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Description

Transducin-Like Enhancer Protein 1 (TLE1) is a nuclear transcriptional corepressor encoded by the TLE1 gene and a member of the Groucho/TLE family of transcriptional regulatory proteins. TLE1 Antibody for WB enables western blot detection of Transducin-Like Enhancer Protein 1, allowing researchers to analyze expression of this chromatin-associated transcriptional regulator in cell lysates and tissue samples. Immunoblot detection of TLE1 provides a direct method to evaluate transcriptional corepressor expression and signaling pathways where Groucho family proteins participate in transcriptional repression complexes.

Western blot analysis using a TLE1 antibody is commonly performed following SDS-PAGE separation of cellular proteins and membrane transfer for immunoblot detection. In these experiments, the antibody recognizes endogenous TLE1 protein within whole cell lysates, nuclear extracts, or tissue-derived protein samples. TLE1 Antibody for WB supports clear immunoblot identification of the Transducin-Like Enhancer Protein 1 band, enabling confirmation of protein expression levels and evaluation of transcriptional regulatory pathways in experimental systems.

Immunoblot analysis is frequently used to examine the abundance of transcriptional regulatory proteins, and TLE1 western blot detection provides a reliable approach for studying the Groucho/TLE transcriptional corepressor family. Because TLE1 participates in transcription factor repression complexes associated with chromatin regulation, western blot experiments allow investigators to monitor changes in protein expression during developmental signaling, transcription factor activity, and regulatory pathway studies. Detection of TLE1 protein bands by immunoblot therefore provides an important biochemical method for confirming expression of this nuclear transcriptional regulator.

Western blot experiments using a Transducin-Like Enhancer Protein 1 antibody are also useful for comparing TLE1 expression across different biological samples, including cultured cell lines and tissue extracts. Immunoblot analysis allows quantitative comparison of protein abundance between experimental conditions and helps verify expression of transcriptional corepressors involved in regulatory signaling networks. These approaches are widely used in studies focused on transcriptional repression and chromatin-associated regulatory proteins.

Because immunoblotting provides a robust method for protein detection, TLE1 Antibody for WB is well suited for western blot analysis of Transducin-Like Enhancer Protein 1 expression, enabling researchers to evaluate transcriptional corepressor signaling pathways and confirm the presence of TLE1 protein in biological samples.

Application Notes

The stated application concentrations are suggested starting points. Titration of the TLE1 Antibody for WB / Transducin-Like Enhancer Protein 1 Western Blot Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 175-338 from the human protein was used as the immunogen for the TLE1 Antibody for WB / Transducin-Like Enhancer Protein 1 Western Blot Antibody.

Storage

Store the TLE1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

TLE1 Antibody for WB | Clone TLEP1-1