

36-3266: Anti-TLE1 (Synovial Sarcoma Marker) Monoclonal Antibody(Clone: TLE1/2051)

Clonality :	Monoclonal
Clone Name :	TLE1/2051
Application :	WB,IHC
Reactivity :	Human
Gene :	TLE1
Gene ID :	7088
Uniprot ID :	Q04724
Alternative Name :	Enhancer of split groucho 1 (ESG1); Enhancer of split groucho-like protein 1; GRG1; TLE1; Transducin like enhancer of split 1; Transducin-like enhancer protein 1
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Recombinant human TLE1 fragment (aa 175-338) (exact sequence is proprietary)

Description

Key players in the Notch pathway are the TLE genes, which are human homologs of the *Drosophila* groucho gene. Groucho is a transcriptional repressor that plays a key role in neurogenesis, segmentation and sex determination. Transducin-like enhancer protein1 (TLE1) is a protein that is encoded by the TLE1 gene and is involved in control of hematopoiesis, neuronal, and terminal epithelial differentiation. Positive immunohistochemical nuclear staining with anti-TLE-1 has been shown to be a useful addition to an IHC panel when differentiating synovial sarcoma from other soft tissue malignancies.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

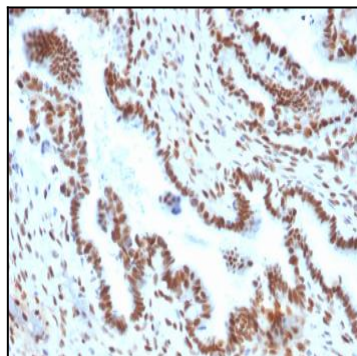


Fig. 1: Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with TLE1 Mouse Monoclonal Antibody (TLE1/2051).

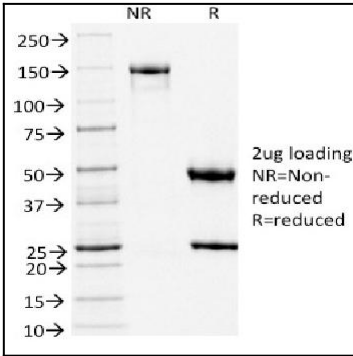


Fig. 2: SDS-PAGE Analysis Purified TLE1 Mouse Monoclonal Antibody (TLE1/2051). Confirmation of Integrity and Purity of Antibody.

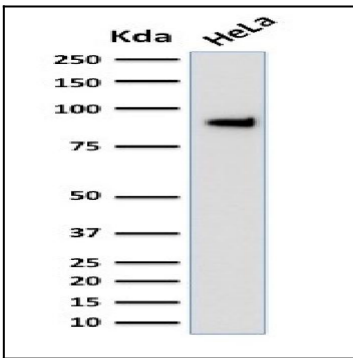


Fig. 3: Western Blot Analysis of human HeLa cell lysate using TLE1 Mouse Monoclonal Antibody (TLE1/2051).

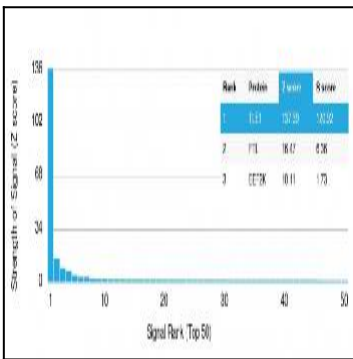


Fig. 4: Analysis of Protein Array containing more than 19,000 full-length human proteins using TLE1 Mouse Monoclonal Antibody (TLE1/2051). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.