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36-3267: Anti-TLE1 (Synovial Sarcoma Marker) Monoclonal Antibody(Clone: TLE1/2062)

Clonality :	Monoclonal
Clone Name :	TLE1/2062
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 isencoded by theTLE1 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&degC followed by cooling at RT for 20 minutes);

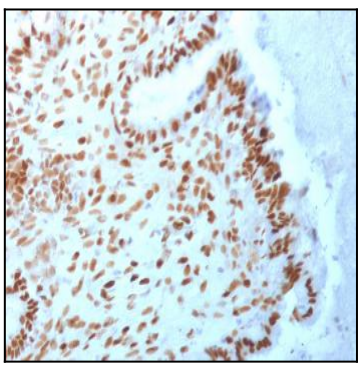


Fig. 1: Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with TLE1 Mouse Monoclonal Antibody (TLE1/2062).

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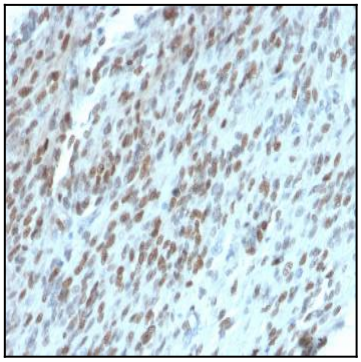


Fig. 2: Formalin-fixed, paraffin-embedded human GIST stained with TLE1 Mouse Monoclonal Antibody (TLE1/2062).

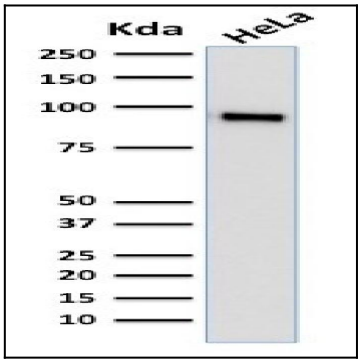


Fig. 3: Western Blot Analysis of human HeLa cell lysate using TLE1 Mouse Monoclonal Antibody (TLE1/2062).

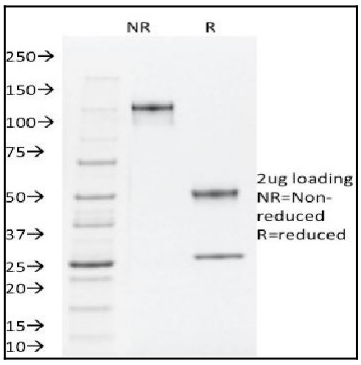


Fig. 4: SDS-PAGE Analysis Purified TLE1 Mouse Monoclonal Antibody (TLE1/2062). Confirmation of Integrity and Purity of Antibody.

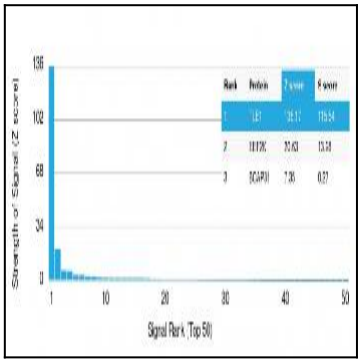


Fig. 5: Analysis of Protein Array containing more than 19,000 full-length human proteins using TLE1 Mouse Monoclonal Antibody (TLE1/2062). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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 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.

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