Product Datasheet

TLE1 Antibody / Transducin-like enhancer protein 1 (orb606649)

Catalog Number	orb606649
Category	Antibodies
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 protein 1 (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.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG2a, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	A portion of amino acids 175-338 from the human protein was used as the immunogen for the TLE1 antibody.
UniProt ID	Q04724
Tested applications	IHC-P, WB

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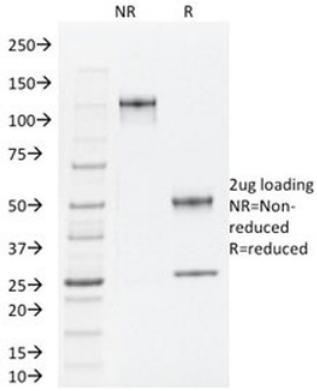
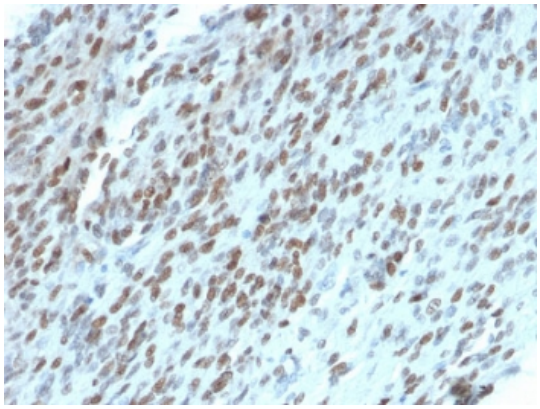
Dilution range	Western blot: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the TLE1 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	TLE1/2062
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



SDS-PAGE analysis of purified, BSA-free TLE1 antibody (clone TLE1/2062) as confirmation of integrity and purity.



IHC testing of FFPE human GIST with TLE1 antibody (clone TLE1/2062). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

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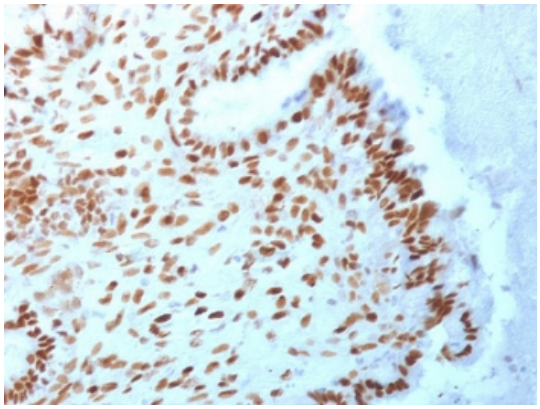
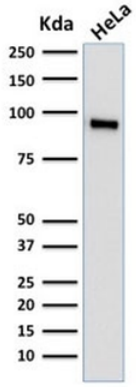
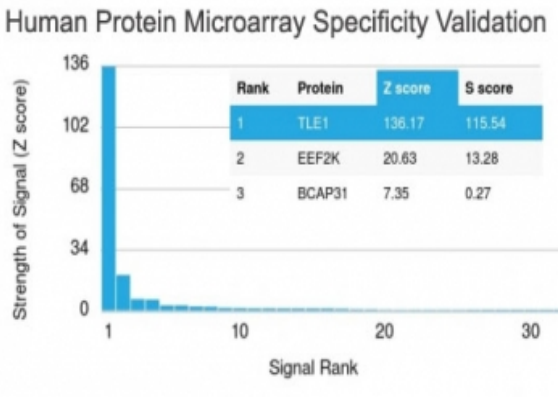


IHC testing of FFPE human endometrial carcinoma with TLE1 antibody (clone TLE1/2062). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human HeLa cell lysate with TLE1 antibody (clone TLE1/2062). Predicted molecular weight ~83 kDa.



Analysis of HuProt (TM) microarray containing more than 19, 000 full-length human proteins using TLE1 antibody (clone TLE1/2062). These results demonstrate the foremost specificity of the TLE1/2062 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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