


Product datasheet

Anti-TLE 1 antibody ab125183

[1 References](#) [3 Images](#)

Overview

Product name	Anti-TLE 1 antibody
Description	Rabbit polyclonal to TLE 1
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Horse, Guinea pig, Cow, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Orangutan, Elephant 
Immunogen	Synthetic peptide corresponding to Human TLE 1 aa 150-250. Database link: Q04724
Positive control	WB: Jurkat, 293T and HeLa whole cell lysates. IP: 293T cells. IHC-P: Human breast carcinoma tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate
	pH 7 to 8
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

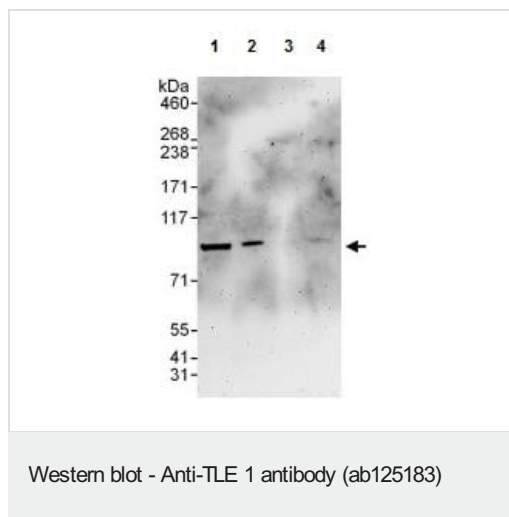
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab125183 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 83 kDa.
IP		Use at 2-10 µg/mg of lysate.
IHC-P		1/500 - 1/2000.

Target

Function	Transcriptional corepressor that binds to a number of transcription factors. Inhibits NF-kappa-B-regulated gene expression. Inhibits the transcriptional activation mediated by FOXA2, and by CTNNB1 and TCF family members in Wnt signaling. The effects of full-length TLE family members may be modulated by association with dominant-negative AES. Unusual function as coactivator for ESRRG.
Tissue specificity	In all tissues examined, mostly in brain, liver and muscle.
Sequence similarities	Belongs to the WD repeat Groucho/TLE family. Contains 6 WD repeats.
Domain	WD repeat Groucho/TLE family members are characterized by 5 regions, a glutamine-rich Q domain, a glycine/proline-rich GP domain, a central CcN domain, containing a nuclear localization signal, and a serine/proline-rich SP domain. The most highly conserved are the N-terminal Q domain and the C-terminal WD-repeat domain.
Post-translational modifications	Phosphorylated, probably by CDK1. The degree of phosphorylation varies throughout the cell cycle, and is highest at the G2/M transition. Becomes hyperphosphorylated in response to cell differentiation and interaction with HES1 or RUNX1. Ubiquitinated by XIAP/BIRC4.
Cellular localization	Nucleus. Nuclear and chromatin-associated, depending on isoforms and phosphorylation status. Hyperphosphorylation decreases the affinity for nuclear components.

Images



All lanes : Anti-TLE 1 antibody (ab125183) at 0.1 $\mu\text{g/ml}$

Lane 1 : 293T whole cell lysate at 50 μg

Lane 2 : 293T whole cell lysate at 15 μg

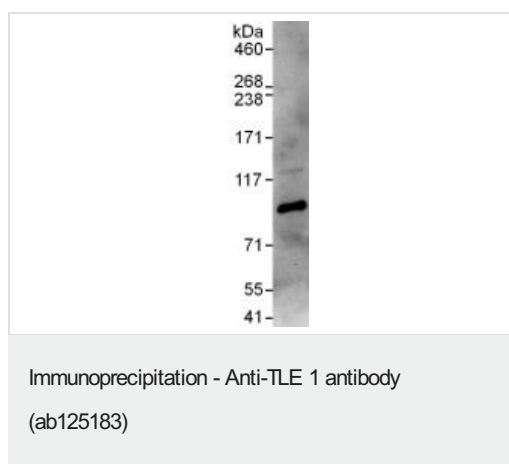
Lane 3 : Jurkat whole cell lysate at 50 μg

Lane 4 : HeLa whole cell lysate at 50 μg

Developed using the ECL technique.

Predicted band size: 83 kDa

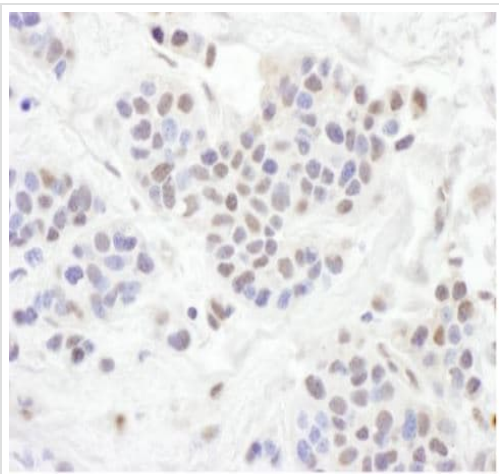
Exposure time: 3 minutes



ab125183, at 6 $\mu\text{g/mg}$ lysate, detecting TLE 1 in 293T cell lysate by Immunoprecipitation.

For the subsequent Western blot, ab125183 was used at 0.4 $\mu\text{g/ml}$ (1 mg of immunoprecipitate, 20% loaded in the lane).

The blot was developed using the ECL technique, with an exposure time of 30 seconds.



Paraffin embedded human breast carcinoma tissue stained for TLE 1 using ab125183 at 1/1000 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLE 1 antibody (ab125183)

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