

Human/Mouse TLE3 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5785

DESCRIPTION	
Species Reactivity	Human/Mouse
Specificity	Detects endogenous human TLE3 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human TLE3 His11-Asn200 Accession # Q04726
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

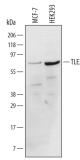
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below

DATA

Western Blot



Detection of Human TLE3 by Western Blot. Western blot shows lysates of MCF-7 human breast cancer cell line and HEK293 human embryonic kidney cell line. PVDF membrane was probed with 2 µg/ml. of Human/Mouse TLE3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5785) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for TLE3 at approximately 85 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 3.

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Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

ShippingThe product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution

BACKGROUND

TLE3 (Transducin-Like Enhancer of Split 3; also ESG3 and GRG3) is an 84-86 kDa member of the WD repeat Groucho/TLE family of transcriptional repressors. It is widely expressed in the embryo, and in differentiating epithelial cells in the adult. TLE3 binds to a number of transcription factors as a heterooligomer, or to itself as a homotetramer. Oligomerization is essential for activity. Human TLE3is 772 amino acids (aa) in length. It contains a Gln(Q)-rich region that mediates oligomerization (aa 1-131), a CCN domain that contains an NLS plus CKII and cdc2K kinase site (aa 199-268), and seven WD repeats that mediate protein-protein interaction (aa 484-771). Potentially there are multiple splice variants. Over aa 11-200, human TLE3shares 99% aa identity wih mouse TLE3.

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