

Product datasheet

Anti-TLE 1 antibody ab192660

Overview

Product name	Anti-TLE 1 antibody
Description	Rabbit polyclonal to TLE 1
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein corresponding to Human TLE 1 aa 1-770. Sequence: MFPQSRHPTPHQAAGQPFFKTIPESLDRIKEEFQFLQAQYHSLKLECEKL ASEKTEMQRHYVMYEMSYGLNIEMHKQTEIAKRLNTICAQVIPFLSQEH QQQVAQAVERAKQVTMAELNAIGQQQLAQHL SHGHGPPVPLTPHPGL QPPGIPPLGGSAGLLALSSALSGQSHLAIKDDKKHHD AEHHRDREP GTSN SLLVPDSL RGTDKRRNGPEFSNDIKKRKVDDKDSSHYDSGD KSDDNLVV DVSNE DPSSPRASPAHSPRENGIDKNRLLKKDASSPASTASSASSTSLK SKEMSLHEKASTPVLKSSTPTPRSDMPTPGTSATPGLRPG LGKPPAIDPL VNQAAAGLRTP LAVPGYPAPFGMVPHAGMNGELTSPGAAAYASLHNMS PQ MSAAAAAA VVAYGRSPMVGFDP PPHMRVPTIPP NLAGIPGGKPAYSFHV TADGQM QPVPFP PDALIGP GIPRHARQINTLNHG EVVCAVTISN PTRHVY TGGKGC VKVWDISHPGNKSPVSQLDCLNRDNYR SCKLLPDGCTLIVGGE ASTLSM DLAAPT PRIKAELTSSAPACYAL AISPD SKVCFSCCSDGNIAV WDLHNQ TLVRQFQGHTDGASCIDISNDG TKLWTGGLDNTVRSWDLREGRQ LQQHDF TSQIFSLGYCPTGEWLAVGM ESSNVEVLHV/NK PDKYQLHLHESC VLSLKFAYCGKWFVSTGKD NLLNAWRTPY GASIFQSK ESSSVLSCDISVD DKYMTGSGDKKATVYEVYIY

Database link: [Q04724](#)

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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab192660 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab192660** 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
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 83 kDa.

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.

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