TLE6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TLE6, Polyclonal Antibody
Full Product Name	TLE6, NT (TLE6, Transducin-like enhancer protein 6) (MaxLight 490)
Product Gene Name	anti-TLE6 antibody
Product Synonym Names	TLE6; Transducin-like enhancer protein 6
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	612399
3D Structure	ModBase 3D Structure for Q9H808
Immunogen	TLE6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-58 amino acids from the N-terminal region of human TLE6.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-TLE6 antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-TLE6 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-TLE6 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-TLE6 antibody	As a member of the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions (By similarity).
Product References and Citations for anti-TLE6 antibody	Chen, P.C., et al. PLoS Genet. 4 (6), E1000092 (2008): Dang, J., et al. Mol. Cell. Biol. 21(17):5935-5945(2001).
Other Notes	Small volumes of anti-TLE6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TLE6 purchase	MBS6355817 is an antibody targeting TLE6. Also known as TLE6, NT (TLE6, Transducin-like enhancer protein 6) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLE6. It may not necessarily be applicable to this product.

NCBI GI #	13376099
NCBI GeneID	79816
NCBI Accession #	NP_079036.1
NCBI Related Accession #	NP_001137458.1
UniProt Primary Accession #	Q9H808
UniProt Related Accession #	Q9H808
GenBank Nucleotide #	NP_079036.1
NCBI Official Full Name	transducin-like enhancer protein 6 isoform 2
NCBI Official Synonym Full Names	TLE family member 6, subcortical maternal complex member
NCBI Official Symbol	TLE6
NCBI Official Synonym Symbols	GRG6; PREMBL
UniProt Protein Name	Transducin-like enhancer protein 6
Protein Family	Transducin-like enhancer protein
UniProt Gene Name	TLE6
UniProt Entry Name	TLE6_HUMAN
NCBI Protein Information	transducin-like enhancer protein 6
NCBI Summary for TLE6	This gene encodes a member of the Groucho/ transducin-like Enhancer of split family of transcriptional co-repressors. The encoded protein is a component of the mammalian subcortical maternal complex, which is required for preimplantation development. In mouse, knock out of this gene results in cleavage-stage embryonic arrest resulting from defective cytoplasmic F-actin meshwork formation and asymmetric cell division. In human, an allelic variant in this gene is associated with preimplantation embryonic lethality. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]
UniProt Comments for TLE6	TLE6: As a member of the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions. Belongs to the WD repeat Groucho/TLE family. Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: protein complex; cell cortex; nucleus Biological Process: regulation of transcription, DNA-dependent; positive regulation of neuron differentiation
Research Articles on TLE6	**1.** In this first report of a human defect in a member of the subcortical maternal subcritical maternal complex, we show that the TLE6 mutation is gender-specific and leads to the earliest known human embryonic lethality phenotype
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