

Rabbit TXNL1 (TRP32/TrxL) Polyclonal Antibody | anti-TXNL1 antibody

TXNL1 (TRP32/TrxL) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283784	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

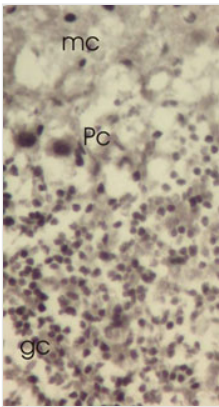
PRODUCT SYNONYMS

TXNL1 (TRP32/TrxL); Polyclonal Antibody; TXNL1 (TRP32/TrxL) Antibody (C-term); Thioredoxin-like protein 1; 32 kDa thioredoxin-related protein; TXNL1; TRP32; TXL; TXNL; anti-TXNL1 antibody

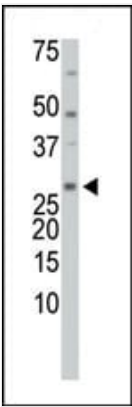
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TXNL1 (TRP32/TrxL) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 256-289 amino acids from the C-terminal region of human TXNL1 (TRP32/TrxL).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	256-289
Sequence Length	289
Applicable Applications for anti-TXNL1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Mouse cerebellar cortex showing molecular cell layer (mc), Purkinje cells (Pc) and granular cell layer. Trxl-1 antibody. The results correspond precisely to TrxL-1 mRNA expression shown with in situ hybridization (Jim nez A et al. FEBS Lett. 2006, 580(3):960-7) and could be abolished with peptide used for immunization (Blocking peptide). The fixation was 4% paraformaldehyde perfusion (4mins) and 60 mins immersion. Staining was done in frozen sections with Vector Elite kit and nickel intensified DAB as a chromogen. Data courtesy of Prof. Markku Peltto-Huikko, Department of Developmental Biology, Medical School, Tampere University, Finland.



WB (Western Blot)
The anti-TrxL Pab is used in Western blot to detect TrxL in HL-60 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-TXNL1 antibody	Thioredoxins are a group of small redox active proteins possessing a conserved active site sequence. TrxL (Thioredoxin like protein 1) has 2 distinct domains: an N terminal domain, which is 43% identical to human TXN, and a C terminal domain, which shows no homology to other proteins in the sequence databases. The active site sequence, located within the N terminal domain, is that of a thioredoxin like protein; compared to the active site sequence of TXN, it has a single amino acid substitution. Unlike other thioredoxin like proteins, TrxL does not serve as a substrate for thioredoxin reductase in an insulin assay.
Product Categories/Family for anti-TXNL1 antibody	Cell Biology; Metabolism; Signal transduction
References	Miranda-Vizuete, A., et al., Biochem. Biophys. Res. Commun. 243: 284-288 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759274
NCBI GeneID	9352
NCBI Accession #	NP_004777.1
NCBI GenBank Nucleotide #	NM_004786.2
UniProt Accession #	O43396
Molecular Weight	32251
NCBI Official Full Name	thioredoxin-like protein 1
NCBI Official Synonym Full Names	thioredoxin-like 1
NCBI Official Symbol	TXNL1
NCBI Official Synonym Symbols	Txl; TXNL; TRP32; TXL-1; HEL-S-114
NCBI Protein Information	thioredoxin-like protein 1
UniProt Protein Name	Thioredoxin-like protein 1
UniProt Gene Name	TXNL1

UniProt Synonym Gene Names	TRP32; TXL; TXNL
UniProt Entry Name	TXNL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/txn11-trp32-trxl-antibody-immunohistochemistry-western-blot-elisa/283784>