

TKTL1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5531a**Specification**

TKTL1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [P51854](#)
Other Accession [NP_036385.2](#)

TKTL1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 8277

Other Names

Transketolase-like protein 1, Transketolase 2, TK 2, Transketolase-related protein, TKTL1, TKR, TKT2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TKTL1 Antibody (N-term) Blocking peptide - Protein Information

Name TKTL1

Synonyms TKR, TKT2

Function

Catalyzes the transfer of a two-carbon ketol group from a ketose donor to an aldose acceptor, via a covalent intermediate with the cofactor thiamine pyrophosphate.

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed (PubMed:8838793). Expressed in endothelial cells and in peripheral neurons (at protein level) (PubMed:15991799). [Isoform 4]: Expressed in fetal neocortex.

TKTL1 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TKTL1 Antibody (N-term) Blocking peptide - Images

TKTL1 Antibody (N-term) Blocking peptide - Background

Transketolase is a thiamine dependent enzyme that links the pentose phosphate pathway with the glycolytic pathway. TKTL1 is a novel transketolase A related gene.

TKTL1 Antibody (N-term) Blocking peptide - References

Schmidt, M., et al. J. Cancer Res. Clin. Oncol. 136(2):219-225(2010) Sanna, S., et al. Hum. Mol. Genet. 18(14):2711-2718(2009) Xu, X., et al. Int. J. Cancer 124(6):1330-1337(2009)