

TBX5 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14687a**Specification****TBX5 Antibody (N-term) Blocking Peptide -
Product Information**Primary Accession [Q99593](#)**TBX5 Antibody (N-term) Blocking Peptide -
Additional Information****Gene ID** 6910**Other Names**T-box transcription factor TBX5, T-box
protein 5, TBX5**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.**TBX5 Antibody (N-term) Blocking Peptide -
Protein Information****Name** TBX5**Function**DNA-binding protein that regulates the
transcription of several genes and is
involved in heart development and limb
pattern formation (PubMed:<a href="http://
www.uniprot.org/citations/25725155"
target="_blank">25725155,
PubMed:<a href="http://www.uniprot.org/ci
tations/25963046"
target="_blank">25963046,
PubMed:<a href="http://www.uniprot.org/ci**TBX5 Antibody (N-term) Blocking Peptide -
Background**

This gene is a member of a phylogenetically
conserved family of genes that share a
common DNA-binding domain, the T-box. T-box
genes encode transcription factors involved in
the regulation of developmental processes. This
gene is closely linked to related family member
T-box 3 (ulnar mammary syndrome) on human
chromosome 12. The encoded protein may play
a role in heart development and specification of
limb identity. Mutations in this gene have
been associated with Holt-Oram syndrome, a
developmental disorder affecting the heart and
upper limbs. Several transcript
variants encoding different isoforms have been
described for this gene.

**TBX5 Antibody (N-term) Blocking Peptide -
References**

Shimada, M., et al. Hum. Genet.
128(4):433-441(2010) Bailey, S.D., et al.
Diabetes Care
33(10):2250-2253(2010) Stirnimann, C.U., et al.
J. Mol. Biol. 400(1):71-81(2010) Rose, J.E., et al.
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tations/29174768"
target="_blank">29174768,
PubMed:<a href="http://www.uniprot.org/ci
tations/26917986"
target="_blank">26917986,
PubMed:<a href="http://www.uniprot.org/ci
tations/27035640"
target="_blank">27035640,
PubMed:<a href="http://www.uniprot.org/ci
tations/8988164"
target="_blank">8988164). Binds to
the core DNA motif of NPPA promoter
(PubMed:<a href="http://www.uniprot.org/c
itations/26926761"
target="_blank">26926761).

Cellular Location

Nucleus

{ECO:0000255|PROSITE-ProRule:PRU00201,
ECO:0000269|PubMed:29174768}.

Cytoplasm Note=Shuttles between the
cytoplasm and the nucleus. Acetylation at
Lys-339 promotes nuclear retention.

TBX5 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)