

PITX1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7334c

Specification

PITX1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P78337](#)

PITX1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5307

Other Names

Pituitary homeobox 1, Hindlimb-expressed homeobox protein backfoot, Homeobox protein PITX1, Paired-like homeodomain transcription factor 1, PITX1, BFT, PTX1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7334c](/products/AP7334c) was selected from the Center region of human PITX1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

PITX1 Antibody (Center) Blocking Peptide - Protein Information

Name PITX1

Synonyms BFT, PTX1

Function

Sequence-specific transcription factor that binds gene promoters and activates their transcription. May play a role in the development of anterior structures, and in particular, the brain and facies and in specifying the identity or structure of hindlimb.

Cellular Location

Nucleus.

PITX1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PITX1 Antibody (Center) Blocking Peptide - Images

PITX1 Antibody (Center) Blocking Peptide - Background

PITX1 is a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family are involved in organ development and left-right asymmetry. This protein acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin.

PITX1 Antibody (Center) Blocking Peptide - References

Grimminger,P., Ling,F.C. Anticancer Res. 29 (4), 1281-1286 (2009)Gurnett,C.A., Alaei,F. Am. J. Hum. Genet. 83 (5), 616-622 (2008)Philippi,A., Tores,F. BMC Med. Genet. 8, 74 (2007)Shang,J., Li,X. Genomics 40 (1), 108-113 (1997)