

NR2E1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP19904c**Specification**

NR2E1 Blocking Peptide (Center) - Product Information

Primary Accession [Q9Y466](#)
Other Accession [P70052](#), [Q64104](#), [Q91379](#), [NP_003260.1](#)

NR2E1 Blocking Peptide (Center) - Additional Information

Gene ID 7101

Other Names

Nuclear receptor subfamily 2 group E member 1, Nuclear receptor TLX, Protein tailless homolog, TII, hTII, NR2E1, TLX

Target/Specificity

The synthetic peptide sequence is selected from aa 90-102 of HUMAN NR2E1

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.

NR2E1 Blocking Peptide (Center) - Protein Information

Name NR2E1

Synonyms TLX

Function

Orphan receptor that binds DNA as a monomer to hormone response elements (HRE) containing an extended core motif half-site sequence 5'-AAGGTCA-3' in which the 5' flanking nucleotides participate in determining receptor specificity (By similarity). May be required to pattern anterior brain differentiation. Involved in the regulation of retinal development and essential for vision. During retinogenesis, regulates PTEN-Cyclin D expression via binding to the promoter region of PTEN and suppressing its activity (By similarity). May be involved in retinoic acid receptor (RAR) regulation in retinal cells.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407}.

Tissue Location

Brain specific. Present in all brain sections tested, highest levels in the caudate nucleus and hippocampus, weakest levels in the thalamus.

NR2E1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

NR2E1 Blocking Peptide (Center) - Images**NR2E1 Blocking Peptide (Center) - Background**

Orphan receptor that binds DNA as a monomer to hormone response elements (HRE) containing an extended core motif half-site sequence 5'-AAGGTCA-3' in which the 5' flanking nucleotides participate in determining receptor specificity. May be required for brain development. May be involved in the regulation of retinal development (By similarity).

NR2E1 Blocking Peptide (Center) - References

Liu, H.K., et al. Genes Dev. 24(7):683-695(2010)
Iwahara, N., et al. Biochem. Biophys. Res. Commun. 386(4):671-675(2009)
de Krom, M., et al. Biol. Psychiatry 65(7):625-630(2009)
Kumar, R.A., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (6), 880-889 (2008) :
Yokoyama, A., et al. Mol. Cell. Biol. 28(12):3995-4003(2008)