

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

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**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**

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**NR2E1 Blocking Peptide (Center) - References**

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Kumar, R.A., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (6), 880-889 (2008) :  
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