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NR2E1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12592

Specification

NR2E1 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q64104
Other Accession	NM_003269, NP_003260
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42kDa KDa**

NR2E1 antibody - middle region - Additional Information

Gene ID 21907

Alias Symbol	**TLL, TLX, XTLL**

Other Names
Nuclear receptor subfamily 2 group E member 1, Nuclear receptor TLX, Protein tailless homolog, Tll, mTll, Nr2e1, Tll, Tlx

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-NR2E1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
NR2E1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

NR2E1 antibody - middle region - Protein Information

Name Nr2e1

Synonyms Tll, 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). Regulates cell cycle progression in neural stem cells of rhe developing brain. 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. May be involved in retinoic acid receptor (RAR) regulation in retinal cells.

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407, ECO:0000269|PubMed:17901127}

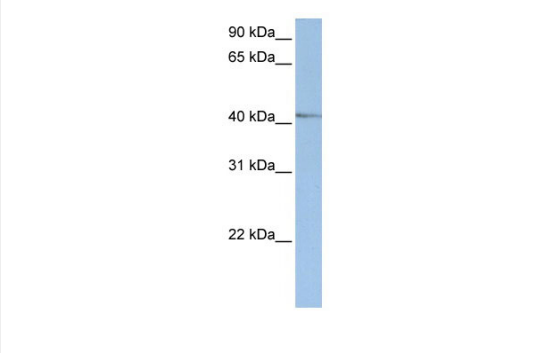
Tissue Location
Expressed in embryonic developing forebrain and in dorsal midbrain. Outside the neural epithelium only found in the surface ectoderm at the site of nasal placode formation, where subsequently the nasal and olfactory epithelium is formed. Also expressed in adult brain.

NR2E1 antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NR2E1 antibody - middle region - Images



WB Suggested Anti-NR2E1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate

NR2E1 antibody - middle region - References

Kumar,R.A.,(er)Am.J.Med.Genet.BNeuropsychiatr.Genet.(2008)InpressReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.