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NR2E1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12592

Product Information

Application	WB
Primary Accession	Q64104
Other Accession	NM_003269, NP_003260
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42619

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.

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}

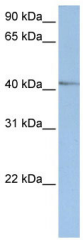
Tissue Location

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.

References

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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.