

Rabbit NR2E1 Polyclonal Antibody | anti-NR2E1 antibody

NR2E1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327451	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

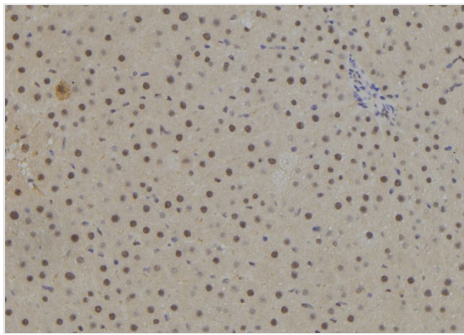
PRODUCT SYNONYMS

NR2E1; Polyclonal Antibody; NR2E1 Antibody; hTII; nr2e1; NR2E1_HUMAN; Nuclear receptor subfamily 2 group E member 1; Nuclear receptor TLX; Orphan nuclear receptor NR2E1; Protein tailless homolog; Tailless homolog; TII; TLX; XTLL; anti-NR2E1 antibody

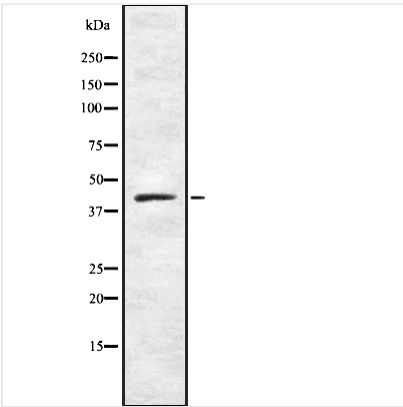
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NR2E1 antibody detects endogenous levels of total NR2E1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	422
Applicable Applications for anti-NR2E1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NR2E1
Subcellular Location	Nucleus.
Tissue Specificity	Brain specific. Present in all brain sections tested, highest levels in the caudate nucleus and hippocampus, weakest levels in the thalamus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327451 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis NR2E1 using HeLa whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-NR2E1 antibody	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. Subunit Structure: Monomer. Interacts with ATN1; the interaction represses the transcription. Similarity: Belongs to the nuclear hormone receptor family. NR2 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	554790375
NCBI GeneID	7101
NCBI Accession #	NP_001273031.1
NCBI GenBank Nucleotide #	NM_001286102.1
UniProt Accession #	Q9Y466; Q6ZMP8
Molecular Weight	Observed: 43 kDa Predicted: 43 kDa
NCBI Official Full Name	nuclear receptor subfamily 2 group E member 1 isoform a
NCBI Official Synonym Full Names	nuclear receptor subfamily 2 group E member 1
NCBI Official Symbol	NR2E1
NCBI Official Synonym Symbols	TLL; TLX; XTLL
NCBI Protein Information	nuclear receptor subfamily 2 group E member 1
UniProt Protein Name	Nuclear receptor subfamily 2 group E member 1
UniProt Gene Name	NR2E1
UniProt Synonym Gene Names	TLX; Tll; hTll

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.