

Nkx1-2 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI11082

Product Information

Application	WB
Primary Accession	P42580
Other Accession	NM_009123 , NP_033149
Reactivity	Mouse, Rat, Pig
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32013

Additional Information

Gene ID	20231
Alias Symbol	Nkx-1.1, Nkx-1.2, Sax1
Other Names	NK1 transcription factor-related protein 2, Homeobox protein SAX-1, NKX-1.1, Nkx1-2, Nkx1.1, Sax1
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-Nkx1-2 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	Nkx1-2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

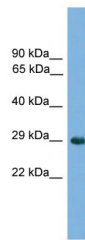
Name	Nkx1-2
Synonyms	Nkx1.1, Sax1 {ECO:0000303 PubMed:7669696}
Function	Transcriptional repressor (Probable). May play a role in early development as a Wnt/beta-catenin effector, hence controlling pluripotency and preimplantation development of embryonic stem cells (PubMed: 38701778). May promote adipogenesis in mesenchymal stem cells, possibly by inhibiting the expression of the antiadipogenic factor NR2F2 (PubMed: 31615896). May inhibit osteoblastogenic differentiation (PubMed: 31615896).
Cellular Location	Nucleus. Nucleus, nucleolus. Note=In the very first hours following

fertilization, at 0.5 dpc, found exclusively in the maternal pronucleus. Specifically localizes to the nucleoli of oocytes and preimplantation embryos.

Tissue Location

Expression detected in the brain, testis and spleen. In the testis, expressed in the germ cells of the seminiferous epithelium, predominantly in elongating spermatids and spermatozoa Expressed throughout the brain with highest levels in regions of the cerebral cortex, hippocampus, diencephalon, pons, medulla and cerebellum.

Images



WB Suggested Anti-Nkx1-2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Mouse Lung

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