

Datasheet for ABIN2779575
anti-Nkx2-2 antibody (N-Term)[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Nkx2-2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nkx2-2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NKX2-2
Sequence:	MSLTNKTGF SVKDILDLPD TNDEEGSVAE GPEEENEGPE PAKRAGPLGQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against NKX2-2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Nkx2-2
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Target Details

Alternative Name:	NKX2-2 (Nkx2-2 Products)
Background:	<p>NKx2-2 contains 1 homeobox DNA-binding domain which is essential for interaction with OLIG2. Nkx2-2 may be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. The protein encoded by this gene contains a homeobox domain and may be involved in the morphogenesis of the central nervous system. This gene is found on chromosome 20 near NKX2-4, and these two genes appear to be duplicated on chromosome 14 in the form of TITF1 and NKX2-8. The encoded protein is likely to be a nuclear transcription factor.</p> <p>Alias Symbols: NKX2.2, NKX2B</p> <p>Protein Interaction Partner: Dlg4, SIN3A, HDAC1, OLIG2,</p> <p>Protein Size: 273</p>
Molecular Weight:	30 kDa
Gene ID:	4821
NCBI Accession:	NM_002509 , NP_002500
UniProt:	O95096
Pathways:	Dopaminergic Neurogenesis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 273 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

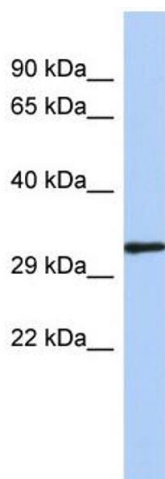
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Sweetman, Münsterberg: "The vertebrate spalt genes in development and disease." in: **Developmental biology**, Vol. 293, Issue 2, pp. 285-93, (2006) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-NKX2-2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Human Spleen



NKX 2-2 (ARP32338_P050)

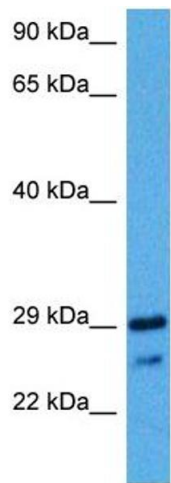
Sample: human optic nerve and/or spinal cord

Cellular target: oligodendrocyte lineage cells

Application data in forum

Submitted by:
Alison Jennings
University of Western Australia
School of Pathology & Lab Med

Image 2. Sample Type: Human Optic Nerve and Spinal Cord Cellular Target: Oligodendrocyte Lineage Cells Primary Dilution: IHC-PZ 1:500, IHC-P 1:1000



Western Blotting

Image 3. Host: Mouse Target Name: NKX2-2 Sample
Tissue: Mouse Pancreas Antibody Dilution: 1ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2779575.