

Product datasheet

Anti-Nkx2.2 antibody [EPR14638] - N-terminal ab191077

Recombinant **RabMAb**

★★★★★ 2 Abreviews 2 References 5 Images

Overview

Product name	Anti-Nkx2.2 antibody [EPR14638] - N-terminal
Description	Rabbit monoclonal [EPR14638] to Nkx2.2 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment within Human Nkx2.2 aa 1-150 (N terminal). The exact sequence is proprietary. Database link: O95096
Positive control	Human Ewing sarcoma, Human colon, Mouse brain and Rat colon tissues; C6 cells.
General notes	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR14638

Isotype IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab191077** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF	★★★★★	1/50.

Target

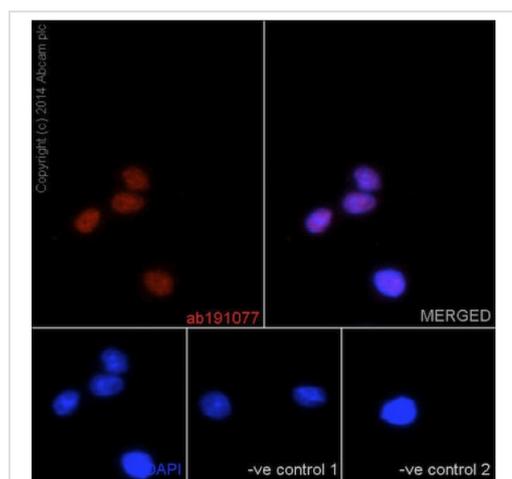
Function May be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance.

Sequence similarities Belongs to the NK-2 homeobox family.
Contains 1 homeobox DNA-binding domain.

Domain The homeodomain is essential for interaction with OLIG2.

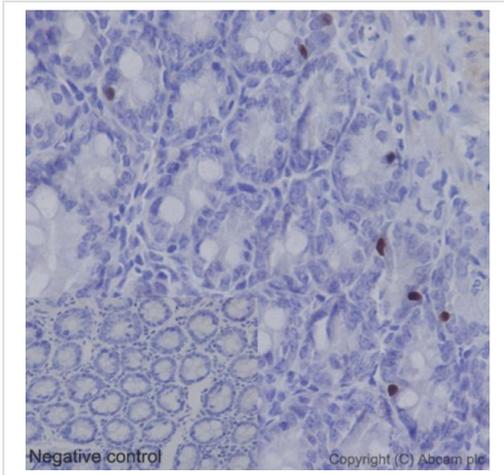
Cellular localization Nucleus.

Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed C6 cells labeling Nkx2.2 with ab191077 at 1/50, Goat anti rabbit IgG (Alexa Fluor® 555) at 1/200 and DAPI staining (blue). Negative controls also shown.

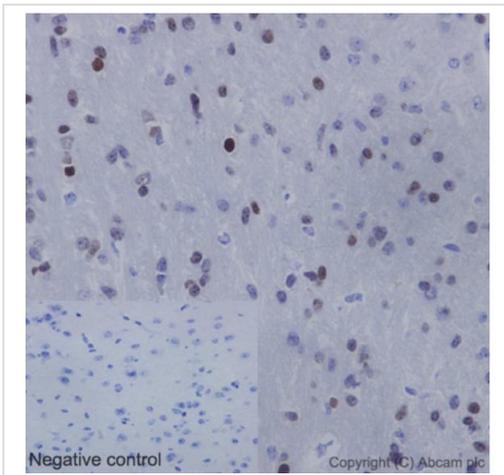
Immunocytochemistry/ Immunofluorescence - Anti-Nkx2.2 antibody [EPR14638] - N-terminal (ab191077)



Immunohistochemical analysis of paraffin-embedded Rat colon tissue labeling Nkx2.2 with ab191077 at 1/1000. Secondary antibody Goat anti rabbit IgG (HRP) prediluted. Counter stain Hematoxylin. Negative control also shown.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

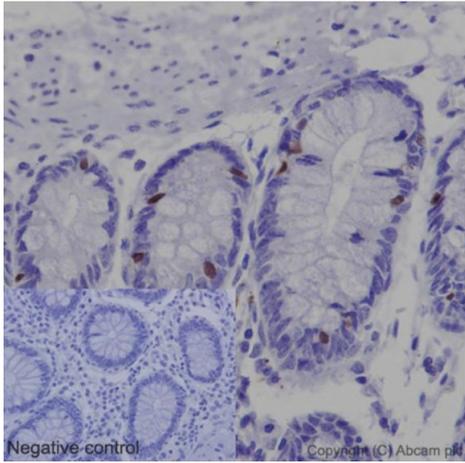
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nkx2.2 antibody [EPR14638] - N-terminal (ab191077)



Immunohistochemical analysis of paraffin-embedded Mouse brain tissue labeling Nkx2.2 with ab191077 at 1/1000. Secondary antibody Goat anti rabbit IgG (HRP) prediluted. Counter stain Hematoxylin. Negative control also shown.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

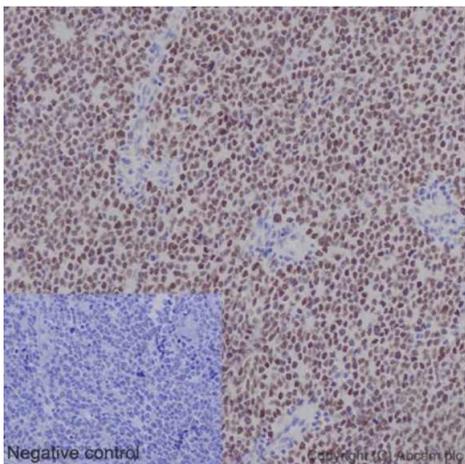
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nkx2.2 antibody [EPR14638] - N-terminal (ab191077)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nkx2.2 antibody [EPR14638] - N-terminal (ab191077)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling Nkx2.2 with ab191077 at 1/1000. Secondary antibody Goat anti rabbit IgG (HRP) prediluted. Counter stain Hematoxylin. Negative control also shown.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nkx2.2 antibody [EPR14638] - N-terminal (ab191077)

Immunohistochemical analysis of paraffin-embedded Human Ewing sarcoma tissue labeling Nkx2.2 with ab191077 at 1/1000. Secondary antibody Goat anti rabbit IgG (HRP) prediluted. Counter stain Hematoxylin. Negative control also shown.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

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