

Anti-Nkx-3.1 Monoclonal Antibody

Catalog Number: A02709

About NKX3-1

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of α -amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Emamian ES, et al. (2004) J Neurosci. 24(7): 1561-4
Palmer, C.L. et al. (2005) Pharmacol. Rev. 57, 253-277.

Overview

Product Name	Anti-Nkx-3.1 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Nkx-3.1 Monoclonal Antibody catalog # A02709. Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, Flow Cytometry, IHC, WB
Clonality	Monoclonal 4H4
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q99801

Technical Details

Immunogen	Purified recombinant fragment of human Nkx-3.1 expressed in E.coli.
Predicted Reactive Species	Canine, Equine, Guinea Pig, Rabbit
Isotype	IgG2b
Form	Liquid
Concentration	This antibody's concentration is >0.5mg/ml.
Purification	The antibody was isolated from ascitic fluid by immunoaffinity chromatography using antigens

coupled to agarose beads.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

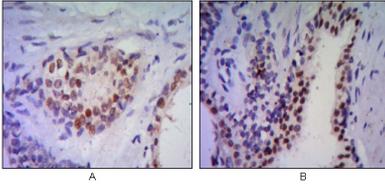
WB, 1:500-1:2000

IHC, 1:200-1:1000

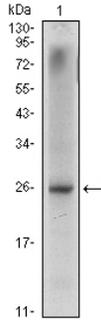
FC, 1:200-1:400

ELISA 1:10000

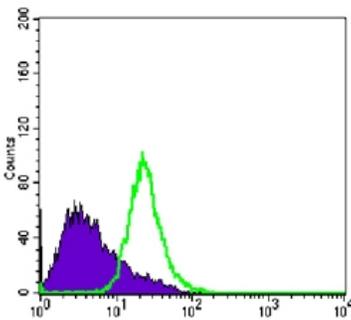
Anti-Nkx-3.1 Monoclonal Antibody (A02709) Images



Immunohistochemistry (IHC) analysis of paraffin-embedded human prostate tissues (A, B) with DAB staining using Nkx-3.1 Monoclonal antibody.



Western Blot (WB) analysis using Nkx-3.1 Monoclonal antibody against LNCaP (1) cell lysate.



Flow cytometric (FCM) analysis of PC-3 cells using Nkx-3.1 Monoclonal antibody (green) and negative control (purple).

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