

Rabbit IRX3 Polyclonal Antibody | anti-IRX3 antibody

IRX3 Antibody (N-term)

CATALOG # AAA289419	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Xenopus)	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

IRX3; Polyclonal Antibody; IRX3 Antibody (N-term); Iroquois-class homeodomain protein IRX-3; Homeodomain protein IRXB1; Iroquois homeobox protein 3; IRXB1; anti-IRX3 antibody

PRODUCT SPECIFICATIONS

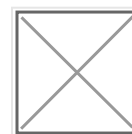
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IRX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 111-140 amino acids from the N-terminal region of human IRX3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	111-140
Sequence Length	501
Applicable Applications for anti-IRX3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Calculated MW	52119
Function	Transcription factor. Involved in SHH-dependent neural patterning. Together with NKX2-2 and NKX6-1 acts to restrict the generation of motor neurons to the appropriate region of the neural tube. Belongs to the class I proteins of neuronal progenitor factors, which are repressed by SHH signals. Involved in the transcriptional repression of MNX1 in non-motor neuron cells (By similarity).
Cellular Location	Nucleus.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

IRX3 Antibody (N-term) (AAA289419) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of IRX3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Anti-IRX3 Antibody (N-term) at 1:1000 dilution+ SH-SY5Y whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-IRX3 antibody	IRX3 is a member of the Iroquois homeobox gene family (see IRX1; MIM 606197) and plays a role in an early step of neural development (Bellefroid et al., 1998 [PubMed 9427753]). Members of this family appear to play multiple roles during pattern formation of vertebrate embryos (Lewis et al., 1999 [PubMed 10370142]).
Product Categories/Family for anti-IRX3 antibody	Crown Antibodies; Cancer; Cell Biology; Neuroscience; Signal Transduction
References	Ragvin, A., et al. Proc. Natl. Acad. Sci. U.S.A. 107(2):775-780(2010) Trynka, G., et al. Gut 58(8):1078-1083(2009) Lewis, M.T., et al. Cell Tissue Res. 296(3):549-554(1999) Bellefroid, E.J., et al. EMBO J. 17(1):191-203(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	226371735
NCBI GeneID	79191
NCBI Accession #	NP_077312.2
NCBI GenBank Nucleotide #	NM_024336.2
UniProt Accession #	P78415; Q7Z4A4; Q7Z4A5; Q8IVC6
NCBI Official Full Name	iroquois-class homeodomain protein IRX-3
NCBI Official Synonym Full Names	iroquois homeobox 3
NCBI Official Symbol	IRX3
NCBI Official Synonym Symbols	IRX-1; IRXB1
NCBI Protein Information	iroquois-class homeodomain protein IRX-3
UniProt Protein Name	Iroquois-class homeodomain protein IRX-3
UniProt Gene Name	IRX3
UniProt Synonym Gene Names	IRXB1
UniProt Entry Name	IRX3_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/irx3-antibody-immunohistochemistry-western-blot-elisa/289419>