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Iroquois homeobox protein 3 Rabbit pAb

Catalog # AP99367

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P78415
Other Accession	P78415
Reactivity	Rat, Mouse
Predicted	Pig, Human, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52119
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Iroquois homeobox protein 3
Epitope Specificity	401-501/501
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TALE/IRO homeobox family.Contains 1 homeobox DNA-binding domain.
SUBUNIT	Belongs to the TALE/IRO homeobox family.Contains 1 homeobox DNA-binding domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	79191
Other Names	IRX-1; IRXB1; IRX3_HUMAN; IRX3; Homeodomain protein IRXB1; Iroquois homeobox protein 3; iroquois homeobox 3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	IRX3
Synonyms	IRXB1
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. Acts as a regulator of energy metabolism.
Cellular Location	Nucleus.

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