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FOXJ3 Rabbit pAb

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Catalog # AP56163

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UPW0
Reactivity	Mouse
Predicted	Rat, Dog, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68960
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FOXJ3
Epitope Specificity	121-220/622
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FOXJ3 (forkhead box protein J3) is a 622 amino acid protein encoded by the human gene FOXJ3. FOXJ3, having one forkhead DNA-binding domain, is a novel forkhead factor and, as such, belongs to the forkhead protein family. The HNF3/forkhead family includes a large number of transcription factors that share a structurally related DNA binding domain. Forkhead factors are known to play important roles both during development and in adults. FOXJ3 is expressed in neuroectoderm, in neural crest, and in many structures derived from neural crest cells, such as facioacoustic, trigeminal and dorsal root ganglia. Stripes of FOXJ3 expression appear in the location of myotomes and expand ventrally in a pattern similar to the developing body wall musculature. Developing limbs have a complex pattern of FOXJ3 expression that at E12.5 colocalizes with the condensed mesenchyme of the skeletal primordia.

Additional Information

Gene ID	22887
Other Names	Forkhead box protein J3, FOXJ3, KIAA1041
Dilution	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.

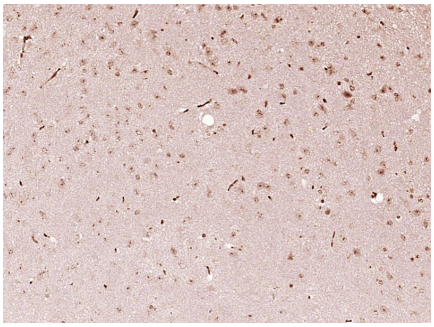
Protein Information

Name	FOXJ3
Synonyms	KIAA1041
Function	Transcriptional activator of MEF2C involved in the regulation of adult muscle fiber type identity and skeletal muscle regeneration (By similarity). Plays an important role in spermatogenesis (By similarity). Required for the survival of spermatogonia and participates in spermatocyte meiosis (By similarity).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089}.

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FOXJ3) Polyclonal Antibody, Unconjugated (AP56163) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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