

FOXJ2 Rabbit pAb

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Catalog # AP56162

Product Information

Application	WB
Primary Accession	Q9P0K8
Reactivity	Human
Predicted	Mouse, Rat, Dog, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62395
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FOXJ2
Epitope Specificity	111-210/574
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.
SIMILARITY	Contains 1 fork-head DNA-binding domain.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FOXJ2, Forkhead box protein J2, is a 574 amino acid protein encoded by the human gene FOXJ2. FOXJ2 is a novel forkhead factor, belonging to the forkhead family, with a dual DNA binding specificity. 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. In the testis, FOXJ2 is expressed from pachytene spermatocytes to round spermatids, but not in spermatogonia. In addition to the germ lineage, only Sertoli cells of the testis showed expression of FOXJ2. In the ovary, only granulosa cells of the follicles express the factor. Neither mature spermatozoa nor oocytes have been found to express FOXJ2. However, both the trophectoderm (TE) and the inner cell mass (ICM) cell layers of the blastocyst express FOXJ2.

Additional Information

Gene ID	55810
Other Names	Forkhead box protein J2, Fork head homologous X, FOXJ2, FHX
Target/Specificity	Widely expressed.
Dilution	WB=1:500-2000

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 FOXJ2

Synonyms FHX

Function [Isoform FOXJ2.L]: Transcriptional activator. Able to bind to two different type of DNA binding sites. More effective than isoform FOXJ2.S in transcriptional activation (PubMed:[10777590](#), PubMed:[10966786](#)). Plays an important role in spermatogenesis, especially in spermatocyte meiosis (By similarity).

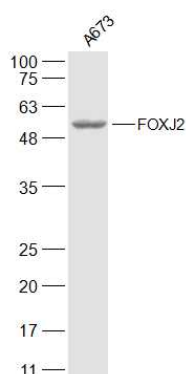
Cellular Location Nucleus.

Tissue Location Widely expressed.

Background

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Images



Sample:

A673(Human) Cell Lysate at 30 ug

Primary: Anti-FOXJ2 (AP56162) at 1/50000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 62 kD

Observed band size: 57 kD

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