SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-FOXJ2 antibody

Catalog Number: SL16166R

FOR RESEARCH USE ONLY

[DATASHEET]

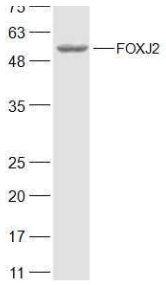
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FOXJ2
Immunogen:	KLH conjugated synthetic peptide derived from human FOXJ2: 111-210/574
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Cow,Rabbit,Sheep)
Predicted MW.:	62kDa
Subcellular Location:	The nucleus
Background:	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. **Function:** Transcriptional activator. Able to bind to two different type of DNA binding sites. Isoform FOXJ2.L behaves as a more potent transactivator than FOXJ2.S.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	Subcellular Location: Nucleus. **Tissue Specificity:** Widely expressed. **Post-translational modifications:** Phosphorylated upon DNA damage, probably by ATM or ATR. **Similarity:** Contains 1 fork-head DNA-binding domain. **Database links:** **Entrez Gene:** 55810 Human **Entrez Gene:** 60611 Mouse **Entrez Gene:** 502886 Rat **SwissProt:** Q9P0K8 Human **SwissProt:** Q9ES18 Mouse **Unigene:** 120844 Human **Unigene:** 87142 Mouse

[VALIDATION IMAGES]



Sample:
A673(Human) Cell Lysate at 30 ug
Primary: Anti-FOXJ2 (SL16166R) at 1/50000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kD
Observed band size: 57 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.