SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FOXR2 antibody

Catalog Number: SL16176R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FOXR2
Immunogen:	KLH conjugated synthetic peptide derived from human FOXR2: 51-150/311
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 ICC/IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	36kDa
Subcellular Location:	The nucleus
Background:	The Forkhead-box (FOX) genes comprise a superfamily of at least 43 members that express proteins which are involved in transcriptional regulation and may be associated with the pathogenesis of various cancers. FOXR2 (Forkhead box protein R2), also known as FOXN6 (Forkhead box protein N6), is a 311 amino acid nuclear protein that belongs to the FOX family and contains one fork-head DNA-binding domain. Like other members of the FOX family, FOXR2 is not abundantly expressed in normal tissues but is found at very high levels in breast cancer and primary cancer cell lines and is thought to act as a transcription factor. Through chromosomal aberrations such as retroviral integration, gene amplification or translocation, FOXR2 may be involved the development of certain invasive carcinomas. **Function:** Forkhead-box (FOX) transcription factors are implicated in carcinogenesis through gene amplification, retroviral integration, or chromosomal translocation. Human FOXR2 mRNA was expressed in breast

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	cancer cell line and primary breast cancer. **Subcellular Location:** Nuclear **Tissue Specificity:** Expressed in breast cancer cell lines and primary cancer. **Similarity:** Contains 1 fork-head DNA-binding domain. **Database links:** **Entrez Gene:** 139628 Human **SwissProt:** Q6PJQ5 Human **Unigene:** 364260 Human

[VALIDATION IMAGES]

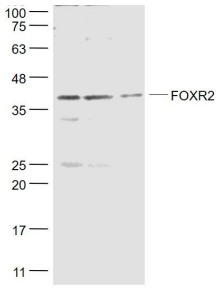


Figure 1. Sample: Jurkat(Human) Cell Lysate at 30 ug 293T(Human) Cell Lysate at 30 ug A549(Human) Cell Lysate at 30 ug Primary: Anti- FOXR2 (SL16176R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 36 kD

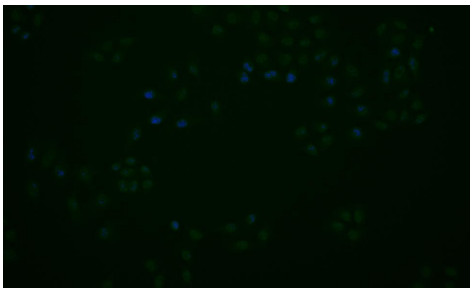


Figure 2. Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (BrdU) polyclonal Antibody, Unconjugated (SLM-0917M) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei

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