

**Goat Anti-FOXQ1 / FKHRL1 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1440a****Specification**

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**Goat Anti-FOXQ1 / FKHRL1 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">O9C009</a>
Other Accession	<a href="#">NP_150285</a> , <a href="#">94234</a> , <a href="#">15220 (mouse)</a>
Reactivity	Human
Predicted	Mouse
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	41526

**Goat Anti-FOXQ1 / FKHRL1 Antibody - Additional Information****Gene ID** 94234**Other Names**Forkhead box protein Q1, HNF-3/forkhead-like protein 1, HFH-1, Hepatocyte nuclear factor 3  
forkhead homolog 1, FOXQ1, HFH1**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-FOXQ1 / FKHRL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-FOXQ1 / FKHRL1 Antibody - Protein Information****Name** FOXQ1**Synonyms** HFH1

**Function**

Plays a role in hair follicle differentiation.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089}.

**Tissue Location**

Expressed predominantly in the stomach, trachea, bladder and salivary gland.

**Goat Anti-FOXQ1 / FKHL1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-FOXQ1 / FKHL1 Antibody - Images**

AF1440a staining (1 µg/ml) of H460 lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

**Goat Anti-FOXQ1 / FKHL1 Antibody - Background**

FOXQ1 is a member of the FOX gene family, which is characterized by a conserved 110-amino acid DNA-binding motif called the forkhead or winged helix domain. FOX genes are involved in embryonic development, cell cycle regulation, tissue-specific gene expression, cell signaling, and tumorigenesis (Bieller et al., 2001 [PubMed 11747606]).

**Goat Anti-FOXQ1 / FKHL1 Antibody - References**

FOXQ1 is overexpressed in colorectal cancer and enhances tumorigenicity and tumor growth.

Kaneda H, et al. Cancer Res, 2010 Mar 1. PMID 20145154.

Atrogin-1, MuRF1, and FoXO, as well as phosphorylated GSK-3beta and 4E-BP1 are reduced in skeletal muscle of chronic spinal cord-injured patients. Lger B, et al. Muscle Nerve, 2009 Jul. PMID 19533653.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Transforming growth factor-beta 2 is a transcriptional target for Akt/protein kinase B via forkhead transcription factor. Samatar AA, et al. J Biol Chem, 2002 Aug 2. PMID 12011061.