

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse FoxC2 in direct ELISAs. In direct ELISAs, approximately 50% cross-reactivity with recombinant human (rh) FoxC2 is observed and less than 3% cross-reactivity with rhFoxF2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse FoxC2 Ala412-Tyr494 Accession # Q61850
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

FOXC2 (Forkhead box protein C2; also BF-3, FKH-14 and MFH-1) is a 64-66 kDa member of the winged helix transcription factor gene family. It is widely expressed, including in endothelium where it induces the appearance of CXCR4 and integrin β3, two molecules essential to cell migration. High-calorie diets also induce FOXC2 in adipocytes, inducing a brown-fat like phenotype. Mouse FOXC2 is 494 amino acids (aa) in length. It contains a forkhead DNA binding domain (aa 71-148), a short poly-Arg segment (aa 162-166), one His-rich region (aa 386-395) and an Ala/Pro-rich domain (aa 396-415). There are seven potential Ser/Thr phosphorylation sites. Over aa 412-494, mouse FOXC2 shares 99% and 87% aa identity with rat and human FOXC2, respectively.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.