

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FoxC2 in direct ELISAs and Western blots. Approximately 25% cross-reactivity with recombinant human (rh) FoxA1 (aa 253-472) is observed in Western blots but not in direct ELISAs. In direct ELISAs and Western blots, no cross-reactivity w
Source	Monoclonal Mouse IgG _{2A} Clone # 665819
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FoxC2 Gly415-Tyr501 Accession # Q99958
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	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 belongs to a large family of nuclear transcription factor proteins sharing a common forkhead/winged helix DNA binding domain. FoxC2 is implicated in epithelial to mesenchymal transition, human lymphedema-distichiasis syndrome, and tumor metastasis. Experiments in mice indicate that FoxC2 controls adipocyte morphogenesis and null mice show defects in axial and cranial skeletogenesis, as well. In addition the transcriptional activity of FoxC2 influences expression of cytokine receptors such as CXCR4.

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