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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB06006 - Goat Anti-FOXC1 (C Term) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: myeloid factor-delta, forkhead/winged helix-like transcription factor 7, RIEG3, FREAC-3, Forkhead, drosophila, homolog-like 7, forkhead-related activator 3, forkhead (Drosophila)-like 7, iridogoniodysgenesis type 1, FREAC3, IRID1, FKHL7, IHG1, IGDA, ARA, forkhead box C1, FOXC1

Official Symbol: FOXC1

Accession Number(s): NP_001444.2

Human GeneID(s): [2296](#)

Non-Human GeneID(s): 17300 (mouse)

Immunogen

Peptide with sequence RTSGAFVYDCSKF, from the C Terminus of the protein sequence according to NP_001444.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 55kDa band observed in Human Bone Marrow lysates (calculated MW of 56.8kDa according to NP_001444.1). Recommended concentration: 0.5-1.5µg/ml.

IHC: In paraffin embedded Human Kidney shows nuclear staining of some cells in the glomeruli and in paraffin embedded Human Spleen shows nucleolar staining in many splenocytes. Recommended concentration, 3-5 µg/ml. Customer successfully used in IHC-P in mouse (periocular mesenchyme, cornea)

Chromatin immunoprecipitation: Customer successfully used this antibody in ChIP from human cell line.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse

Specific References

The goat polyclonal antibody used in this paper was manufactured by us:

Hayashi H, Kume T.

Foxc transcription factors directly regulate Dll4 and Hey2 expression by interacting with the VEGF-Notch signaling pathways in endothelial cells.

PLoS One. 2008 Jun 11;3(6):e2401.

PMID: 18545664

The goat polyclonal antibody used in this paper was manufactured by us:

Berry FB, Skarie JM, Mirzayans F, Fortin Y, Hudson TJ, Raymond V, Link BA, Walter MA. FOXC1 is required for cell viability and resistance to oxidative stress in the eye through the transcriptional regulation of FOXO1A.

Hum Mol Genet. 2008 Feb 15;17(4):490-505.

PMID: 17993506

The goat polyclonal antibody used in this paper was manufactured by us:

Tamimi Y, Skarie JM, Footz T, Berry FB, Link BA, Walter MA.

FGF19 is a target for FOXC1 regulation in ciliary body-derived cells.

Hum Mol Genet. 2006 Nov 1;15(21):3229-40.

PMID: 17000708

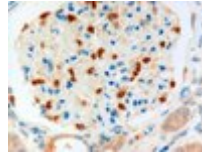
The goat polyclonal antibody used in this paper was manufactured by us:

Berry FB, Lines MA, Oas JM, Footz T, Underhill DA, Gage PJ, Walter MA.

Functional interactions between FOXC1 and PITX2 underlie the sensitivity to FOXC1 gene dose in Axenfeld-Rieger syndrome and anterior segment dysgenesis.

Hum Mol Genet. 2006 Mar 15;15(6):905-19.

PMID: 16449236



EB06006 (3 μ g/ml) staining of paraffin embedded Human Kidney. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



EB06006 staining (0.5 μ g/ml) of Human Bone Marrow lysate (RIPA buffer, 35 μ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.