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Research Use Only. Not for diagnostic or therapeutic use.

EB06007-T - Goat Anti-FOXC2 Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: FOXC2, forkhead box C2 (MFH-1, mesenchyme forkhead 1), MFH1, MFH-1, FKHL14, MFH-1,mesenchyme forkhead 1, forkhead (Drosophila)-like 14, forkhead, Drosophila, homolog-like 14, forkhead (Drosophila)-like 14 (MFH-1, mesenchyme forkhead 1), LD, forkhead box C2, forkhead, Drosophila, homolog-like 14

Official Symbol: FOXC2

Accession Number(s): NP_005242.1

Human GeneID(s): 2303

Non-Human GenelD(s): 14234 (mouse)

Immunogen

Peptide with sequence RHAAPYSYDCTKY, from the C Terminus of the protein sequence according to NP_005242.1.

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 1:4000.

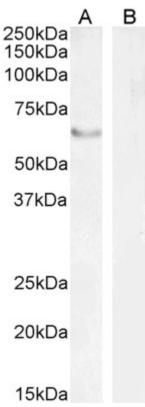
Western blot: Approx 60-70kDa band observed in nuclear lysates of cell lines HEK293 (calculated MW of 53.7kDa according to NP_005242.1). This molecular weight is routinely observed by other sources e.g. Berry, FB et al; PMID: 16081467. Recommended concentration: 2μg/ml. Primary incubation 1 hour at room temperature. Negative Control: Human Pancreas lysate. Recommended concentration, 0.3-1μg/ml. Preliminary testing was unsuccessful on NIH3T3 for this particular batch.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

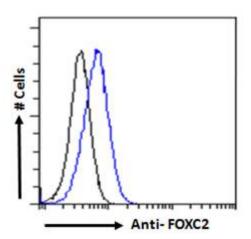
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Rat, Dog, Cow



EB06007 staining (2μg/ml) of nuclear HEK293 (A) and (1ug/ml) negative control Human Pancreas (B) lysate [RIPA buffer, 35μg total protein per lane). Detected by chemiluminescence.



EB06007 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.