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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06007 - Goat Anti-FOXC2 Antibody

Size: 100µg specific antibody in 200µl



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 GeneID(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 1:128000.

Western blot: Approx 60kDa band observed in nuclear lysates of cell lines HEK293 and Jurkat (calculated MW of 53.7kDa according to NP_005242.1). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature. **Negative Control:** Human Pancreas lysate.

IHC: In paraffin embedded Human Breast Cancer shows nuclear staining with some weak cytoplasm staining. Recommended concentration: 2-4µg/ml.

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 (0.1µg/ml) staining of nuclear HEK293 (A), (0.3ug/ml) nuclear Jurkat (B) and (0.5ug/ml) negative control Human Pancreas (C) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06007 (2µg/ml) staining of paraffin embedded Human Breast Cancer. Steamed antigen retrieval with Tris/EDTA buffer Ph 9, HRP-staining.

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.