

## UK Office

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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 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.