

Goat anti-FOXC2 Antibody

Item Number	dAP-0212
Target Molecule	Principle Name: FOXC2; Official Symbol: FOXC2; All Names and Symbols: 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 C; Accession Number (s): NP_005242.1; Human Gene ID(s): 2303; Non-Human GeneID(s): 14234 (mouse)
Immunogen	RHAAPYSYDCTKY, is from C Terminus
Applications	Pep ELISA, IHC, WB trf Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: HEK293 lysate (10ug protein in RIPA buffer) over expressing Human FOXC2 with DYKDDDDK tag probed with EB06007 (1.0ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/1000) in lane C. Mock-transfected HEK293 probed with EB06007 (1mg/ml) i
IHC	Immunohistochemistry: In paraffin embedded Human Bresast cancer shows nuclear staining with some weak cytoplasm staining. Recommended concentration, 2-4µg/ml.
Reference	Reference(s): Brice G, Mansour S, Bell R, Collin JR, Child AH, Brady AF, Sarfarazi M, Burnand KG, Jeffery S, Mortimer P, Murday VA. Analysis of the phenotypic abnormalities in lymphoedema-distichiasis syndrome in 74 patients with FOXC2 mutations or linkage to 16q24. J Med Genet. 2002 Jul;39(7):478-83..PMID: 12118332

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**