

Goat anti-Estrogen receptor beta (aa417-428) Antibody

Item Number	dAP-2683
Target Molecule	Principle Name: Estrogen receptor beta (aa417-428); Official Symbol: ESR2; All Names and Symbols: ESR2; estrogen receptor 2 (ER beta); ER-BETA; ESR-BETA; ESRB; ESTRB; Erb; NR3A2; OT-THUMP00000180647; estrogen nuclear receptor beta variant a; estrogen nuclear receptor beta variant b; estrogen receptor beta; estrogen receptor beta 4; nuclear receptor sub; Accession Number (s): NP_001428.1; NP_001035365.1; NP_001201831.1; NP_001201832.1; Human Gene ID(s): 2100; Non-
Immunogen	TQDADSSRKLAH, is from internal region This antibody is expected to recognize all reported isoforms (NP_001428.1; NP_001035365.1; NP_001201831.1; NP_001201832.1). Reported variants represent identical protein: NP_001035365.1,
Applications	Pep ELISA, WB 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: Approx 50kDa band observed in Human Placenta lysates (calculated MW of 53.0kDa according to NP_001035366.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Pinton G, Thomas W, Bellini P, Manente AG, Favoni RE, Harvey BJ, Mutti L, Moro L. Estrogen receptor β exerts tumor repressive functions in human malignant pleural mesothelioma via EGFR inactivation and affects response to gefitinib. PLoS One. 2010 Nov 29;5(11):e14110.. PMID: 21124760->

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 end users! This product is sold for **Research Use Only**