

Goat anti-FOXE1 / TTF2 Antibody

Item Number	dAP-0220
Target Molecule	Principle Name: FOXE1 / TTF2; Official Symbol: FOXE1; All Names and Symbols: FOXE1; TTF2; forkhead box E1 (thyroid transcription factor 2); FOXE2; HFKH4; HFKL5; TITF2; TTF-2; FKHL15; forkhead (Drosophila)-like 15; forkhead box E1; forkhead box E2; thyroid transcription factor-2; Forkhead, drosophila, homolog-like 15; Accession Number (s): NP_004464.2; Human Gene ID(s): 2304; Non-Human GenelD(s):
Immunogen	AYPGGIDRFVVSAM, is from C Terminus
Applications	Pep ELISA, IHC 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 8000.
Western Blot	Western Blot: Preliminary experiments gave an approx 70kDa band in Human Thymus and Thyroid Gland lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calcu
IHC	Immunohistochemistry: In paraffin embedded Human Thyroid Gland shows nuclear staining in thyrocytes. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Testis. Recommended concentration: 5µg/ml.
Reference	Reference(s): Clifton-Bligh RJ, Wentworth JM, Heinz P, Crisp MS, John R, Lazarus JH, Ludgate M, Chatterjee VK. Mutation of the gene encoding human TTF-2 associated with thyroid agenesis, cleft palate and choanal atresia. <i>Nat Genet.</i> 1998 Aug;19(4):399-401..PMID: 9697705->

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**