

Rabbit anti-Human FOXE1 Polyclonal Antibody | anti-FOXE1 antibody

Anti-FOXE1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125456	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

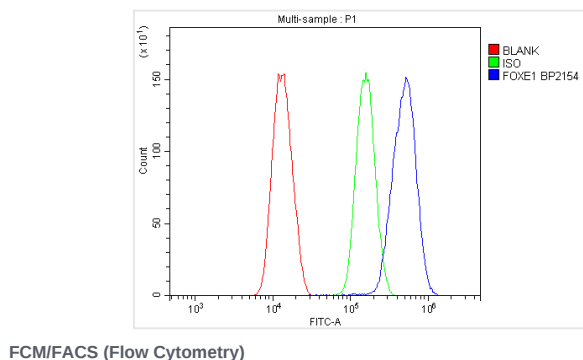
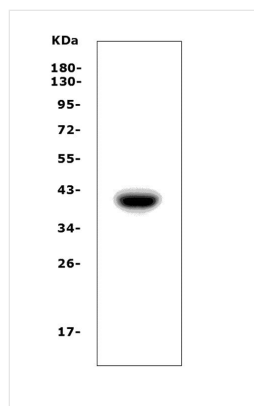
PRODUCT SYNONYMS

FOXE1; Polyclonal Antibody; Anti-FOXE1 Antibody; Forkhead box protein E1; Forkhead box protein E2; Forkhead-related protein FKHL15; HFKH4; HNF-3/fork head-like protein 5; HFKL5; Thyroid transcription factor 2; TTF-2; FKHL15; FOXE2; TITF2; TTF2; anti-FOXE1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	373
Applicable Applications for anti-FOXE1 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human FOXE1 recombinant protein (Position: M1-M373).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Figure 1. Western blot analysis of FOXE1 using anti-FOXE1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXE1 antibody	Description: Rabbit IgG polyclonal antibody for FOXE1 detection. Tested with WB, FCM, Direct ELISA in Human. Background: Forkhead box protein E1 is a protein that in humans is encoded by the FOXE1 gene. It is mapped to 9q22.33. This intronless gene encodes a protein that belongs to the forkhead family of transcription factors. Members of this family contain a conserved 100-amino acid DNA-binding 'forkhead' domain. The encoded protein functions as a thyroid transcription factor that plays a role in thyroid morphogenesis. Mutations in this gene are associated with the Bamforth-Lazarus syndrome, and with susceptibility to nonmedullary thyroid cancer-4.
References	1. Carre, A., Castanet, M., Sura-Trueba, S., Szinnai, G., Van Vliet, G., Trochet, D., Amiel, J., Leger, J., Czernichow, P., Scotet, V., Polak, M. Polymorphic length of FOXE1 alanine stretch: evidence for genetic susceptibility to thyroid dysgenesis. Hum. Genet. 122: 467-476, 2007. 2. Trueba, S. S., Auge, J., Mattei, G., Etchevers, H., Martinovic, J., Czernichow, P., Vekemans, M., Polak, M., Attie-Bitach, T. PAX8, TITF1, and FOXE1 gene expression patterns during human development: new insights into human thyroid development and thyroid dysgenesis-associated malformations. J. Clin. Endocr. Metab. 90: 455-462, 2005. 3. Venza, I., Visalli, M., Parrillo, L., De Felice, M., Teti, D., Venza, M. MSX1 and TGF-beta-3 are novel target genes functionally regulated by FOXE1. Hum. Molec. Genet. 20: 1016-1025, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618325
NCBI GeneID	2304
NCBI Accession #	NP_004464.2
NCBI GenBank Nucleotide #	NP_004464.2
UniProt Accession #	O00358
NCBI Official Full Name	forkhead box protein E1
NCBI Official Synonym Full Names	forkhead box E1
NCBI Official Symbol	FOXE1
NCBI Official Synonym Symbols	TTF2; FOXE2; HFKH4; HFKL5; NMTC4; TITF2; TTF-2; FKHL15
NCBI Protein Information	forkhead box protein E1
UniProt Protein Name	Forkhead box protein E1
UniProt Gene Name	FOXE1
UniProt Synonym Gene Names	FKHL15; FOXE2; TITF2; TTF2; HFKL5; TTF-2
UniProt Entry Name	FOXE1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.