

Product Name: FoxE1 Rabbit Polyclonal Antibody**Catalog #: APRab11084**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	34kDa

Antigen Information

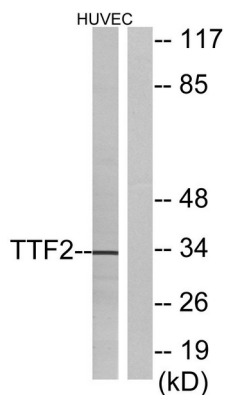
Gene Name	FOXE1 FOXE1; FKHL15; FOXE2; TITF2; TTF2; Forkhead box protein E1; Forkhead box protein E2;
Alternative Names	Forkhead-related protein FKHL15; HFKH4; HNF-3/fork head-like protein 5; HFKL5; Thyroid transcription factor 2; TTF-2
Gene ID	2304.0
SwissProt ID	O00358
Immunogen	The antiserum was produced against synthesized peptide derived from human TTF2. AA range:10-59

Background

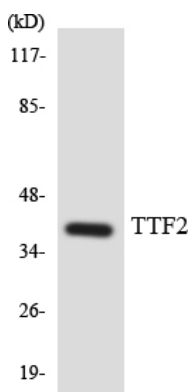
This intronless gene belongs to the forkhead family of transcription factors, which is characterized by a distinct forkhead domain. This gene functions as a thyroid transcription factor which likely plays a crucial role in thyroid morphogenesis. Mutations in this gene are associated with congenital hypothyroidism and cleft palate with thyroid dysgenesis. The map localization of this gene suggests it may also be a candidate gene for squamous cell epithelioma and hereditary sensory neuropathy type I. [provided by RefSeq, Jul 2008],disease:Defects in FOXE1 are the cause of Bamforth-Lazarus syndrome [MIM:241850]. A disease associated with thyroid agenesis, cleft palate and choanal atresia.,function:Probable transcription factor. Could be involved in thyroid gland organogenesis.,polymorphism:An alanine stretch that varies from 12 to 19 residues is present. This polymorphisms can be used as a marker to study the role of FOXE1 in other cases of thyroid dysgenesis, especially in familial cases.,PTM:Phosphorylated.,sequence caution:Several conflicts.,similarity:Contains 1 fork-head DNA-binding domain.,tissue specificity:Detected in adult brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, heart, colon, small intestine testis and thymus. Expression was strongest in heart and pancreas.,

Research Area

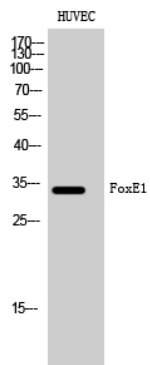
Image Data



Western blot analysis of lysates from HUVEC cells, using TTF2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using TTF2 antibody.



Western Blot analysis of HUVEC cells using FoxE1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .