

# FOXE1 Polyclonal antibody

Catalog Number: 55363-1-AP

1 Publications

## Basic Information

**Catalog Number:**

55363-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_004473

**GeneID (NCBI):**

2304

**UNIPROT ID:**

O00358

**Full Name:**

forkhead box E1 (thyroid transcription factor 2)

**Calculated MW:**

38 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse

**Cited Species:**

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

IHC : human thyroid cancer tissue,

## Background Information

FOXE1 is a thyroid-specific forkhead transcription factor essential for thyroid gland development, as well as for the maintenance of the thyroid differentiated state in adults. Mutations in FOXE1 are associated with congenital hypothyroidism and cleft palate with thyroid dysgenesis (PMID: 20453517, PMID: 25381600). FOXE1 is expressed in the developing thyroid and the anterior pituitary gland.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zongfu Pan	37993084	Cancer Lett	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

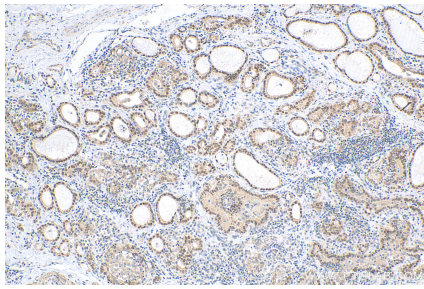
T: 4006900926

E: Proteintech-CN@ptglab.com

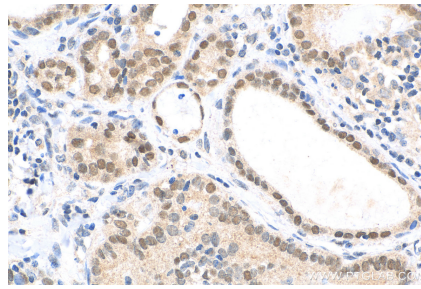
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 55363-1-AP (FOX E1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 55363-1-AP (FOX E1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).