

For Research Use Only

# FOXE1 Polyclonal antibody

Catalog Number: 55363-1-AP

1 Publications



## Basic Information

Catalog Number:

55363-1-AP

Size:

150ul , Concentration: 300 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;

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

Positive Controls:

IHC : human thyroid cancer tissue,

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

## 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

\*\*\* 20ul sizes contain 0.1% BSA

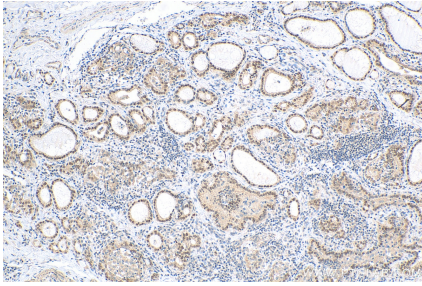
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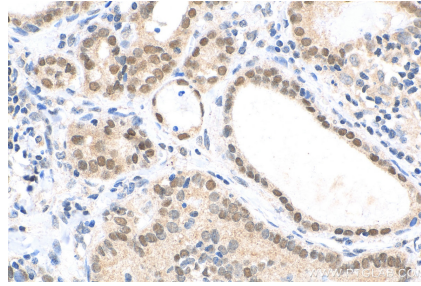
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## Selected Validation Data



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).