

**Rabbit Anti-TTF2/FOXE1 Polyclonal: RC0100**

**Intended Use:** For Research Use Only

**Description:** Probable transcription factor. Could be involved in thyroid gland organogenesis. 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. Defects in FOXE1 are the cause of Bamforth-Lazarus syndrome (BLS). BLS is associated with thyroid agenesis, cleft palate and choanal atresia.

**Specifications:**

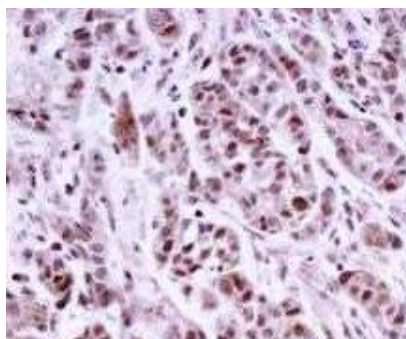
Clone: Polyclonal  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human, mouse  
Localization: Nucleus  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C.  
Applications: IHC, IF, WB  
Package:

Description	Catalog No.	Size
TTF2/FOXE1 Concentrated	RC0100	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Endometrium adenocarcinoma, pancreas  
Concentrated Dilution: 10-50  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 min Pressure Cooker or 30-60 min water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE A549 xenograft tissue stained with anti-TTF2 using DAB

**References:**

1. EGFR pathway biomarkers in erlotinib-treated patients with advanced pancreatic cancer: translational results from the randomised, crossover phase 3 trial AIO-PK0104. Boeck S, et al. Br J Cancer. Feb 5;108(2):469-76, 2013.
2. Diagnostic utility of thyroid transcription factors Pax8 and TTF-2 (FoxE1) in thyroid epithelial neoplasms. Nonaka D, et al. Mod Pathol. Feb;21(2):192-200, 2008.
3. Immunohistochemical analysis of thyroid-specific transcription factors in thyroid tumors. Zhang P, et al. Pathol Int. May;56(5):240-5, 2006.
4. Production and application of polyclonal antibody to human thyroid transcription factor 2 reveals thyroid transcription factor 2 protein expression in adult thyroid and hair follicles and prepubertal testis. Sequeira M, et al. Thyroid. Oct;13(10):927-32, 2003.