

Anti - TTF-1 - clone III – prediluted – rabbit clonal antibody

Cat. #: DB 090-RTU (7 ml)
 DB 090-RTU-15 (15 ml)
 DB 090-RTU-T (test sample)

Product information

Clone: C12-I	Preservative: 0.05% NaN ₃
Buffer: 20 mM Tris-HCl, pH 8.0	Specificity: Human
Stabilizer: 20 mg/ml BSA	Storage: Store at +4 °C; Do not freeze!
Protein accession number: P43699	Expiration: 18 months from the day of delivery

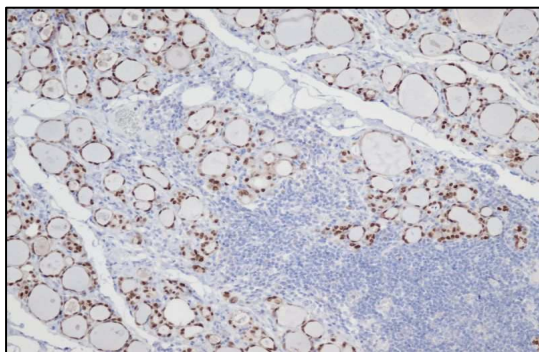
Immunogen: Peptide derived from C-terminal sequence of human TTF-1

Application: IHC-P ready to use

Centrifuge the vial before use

IHC-P Protocol

1. Deparaffinize the section in 3 changes of xylene, 5 minutes each.
2. Wash the section in 96%, 80% and 70% benzyl alcohol for 5 minutes each.
3. Rinse in distilled water.
4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H₂O₂) for 10 minutes.
5. Wash in distilled water.
6. For antigen retrieval: immerse the slide in Tris-EDTA buffer, pH 9.0, 0.05% Tween- 20*, and incubate at 95°C in water bath for 30 minutes. (*Alternatively adjust to your own protocol, keeping the required pH*)
7. Remove the staining to room temperature and let the slide to cool for 15 minutes.
8. Rinse in distilled water.
9. Wash in 0.05 M Tris-HCl , pH 7.6 buffer supplemented with 1% of Tween-20 (buffer A) for 5 minutes.
10. Incubate the section with primary antibody (**ready to use**) for 1 hour in a closed wet chamber.
11. Wash twice 5 minutes with buffer A.
12. Apply the secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol (HRP – Peroxide – DAB).
13. Wash twice 5 minutes with buffer A.
14. Apply the chromogen (DAB), 10 minutes.
15. Wash in water – 10 minutes.
16. Stain in hematoxylin for 5 minutes.
17. Wash in water – 10 minutes.
18. Dehydrate the section in 2 changes of 96% benzyl alcohol for 5 minutes each.
19. Wash the section in 2 changes of xylene for 2 minutes each.
20. Mount the slide for observation.



Formalin-fixed and paraffin-embedded human thyroid gland tissue (4 µm) stained with anti-TTF-1 (DB 090) antibody shows strong positive nuclear immunostaining of follicular cells.

Kindly performed and provided by Katarína Poliaková, MD and Ľubomír Straka, MD, Ph. D. from Clinical Pathology Prešov, Ltd., Prešov, Slovak republic.

* **Tris-EDTA Buffer (10mM Tris Base, 1mM EDTA solution, 0.05% Tween 20, pH 9.0):**

TRIS ----- 1.21 g; EDTA ----- 0,37 g

Distilled water ----- 1000 ml

Mix to dissolve in 700 ml of distilled water. Adjust pH to 9.0 with 1M HCl and then add 0.5 ml of Tween-20 and mix well. Adjust the final volume to 1 liter with distilled water.

Store this solution at room temperature for 3 months or at +4°C for longer storage.