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TTF2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50207

Specification

TTF2 Antibody - Product Information

Application	**WB**
Primary Accession	O00358
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**38 KDa**
Antigen Region	**2-32**

TTF2 Antibody - Additional Information

Gene ID 2304

Other Names
Forkhead box protein E1, Forkhead box protein E2, Forkhead-related protein FKHL15, HFKH4, HNF-3/fork head-like protein 5, HFKL5, Thyroid transcription factor 2, TTF-2, FOXE1, FKHL15, FOXE2, TITF2, TTF2

Dilution
WB~~1:500-1:1000

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

TTF2 Antibody - Protein Information

Name FOXE1

Synonyms FKHL15, FOXE2, TITF2, TTF2

Function
Transcription factor that binds consensus sites on a variety of gene promoters and activate their transcription. Involved in proper palate formation, most probably through the expression of MSX1 and TGFB3 genes which are direct targets of this transcription factor. Also implicated in thyroid gland morphogenesis. May indirectly play a role in cell growth and migration through the regulation of WNT5A expression.

Cellular Location
Nucleus.

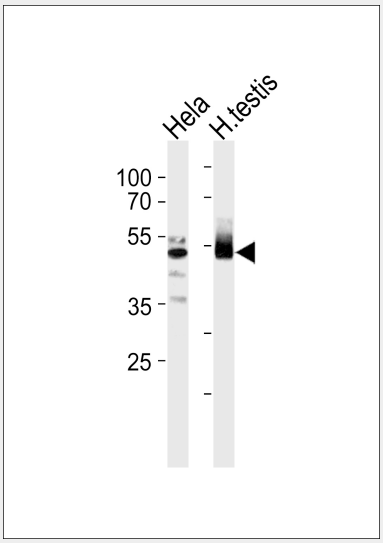
Tissue Location
Detected in adult brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, heart, colon, small intestine testis and thymus. Expression was strongest in heart and pancreas

TTF2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TTF2 Antibody - Images



Western blot analysis of lysates from Hela cell line and human testis tissue lysate(from left to right),using TTF2 Antibody(C10022). C10022 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

TTF2 Antibody - Background

Probable transcription factor. Could be involved in thyroid gland organogenesis.

TTF2 Antibody - References

Wiese S.,et al.DNA Cell Biol. 16:165-171(1997).
Chadwick B.P.,et al.Genomics 41:390-396(1997).
Macchia P.E.,et al.Biochimie 81:433-440(1999).
Humphray S.J.,et al.Nature 429:369-374(2004).
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