

Anti-THRB Antibody

Catalog # AP51563

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P10828
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52788

Additional Information

Gene ID	7068
Other Names	ERBA2; NR1A2; THR1; Thyroid hormone receptor beta; Nuclear receptor subfamily 1 group A member 2; c-erbA-2; c-erbA-beta
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human THRB. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

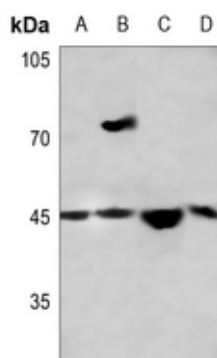
Protein Information

Name	THRB
Synonyms	ERBA2, NR1A2, THR1
Function	Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine.
Cellular Location	Nucleus.

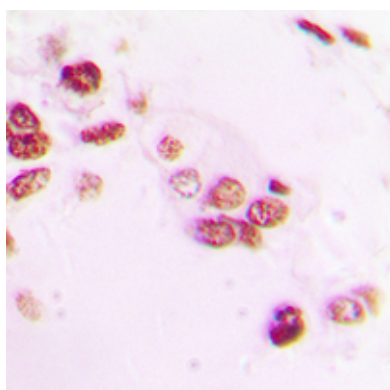
References

Weinberger C.,et al.Cold Spring Harb. Symp. Quant. Biol. 51:759-772(1986).
Weinberger C.,et al.Nature 324:641-646(1986).
Sakurai A.,et al.Mol. Cell. Endocrinol. 71:83-91(1990).

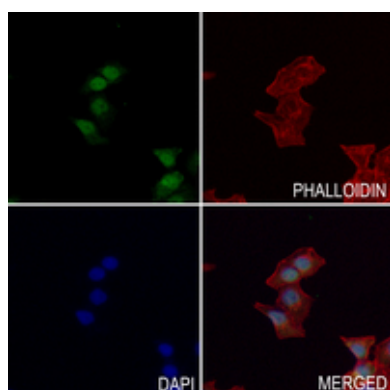
Images



Western blot analysis of THR B expression in U2OS (A), H1688 (B), mouse liver (C), rat liver (D) whole cell lysates. (Predicted band size: 52 kD; Observed band size: 45 kD)



Immunohistochemical analysis of THR B staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of THR B staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).