

Goat Anti-THRA Antibody
Peptide-affinity purified goat antibody
Catalog # AF2085a**Specification**

Goat Anti-THRA Antibody - Product Information

Application	WB
Primary Accession	P10827
Other Accession	NP_003241 , 7067 , 21833 (mouse) , 81812 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	54816

Goat Anti-THRA Antibody - Additional Information**Gene ID** 7067**Other Names**

Thyroid hormone receptor alpha, Nuclear receptor subfamily 1 group A member 1, V-erbA-related protein 7, EAR-7, c-erbA-1, c-erbA-alpha, THRA, EAR7, ERBA1, NR1A1, THRA1, THRA2

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-THRA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-THRA Antibody - Protein Information**Name** THRA**Synonyms** EAR7, ERBA1, NR1A1, THRA1, THRA2**Function**

[Isoform Alpha-1]: 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.

Goat Anti-THRA 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 Cytometry](#)
- [Cell Culture](#)

Goat Anti-THRA Antibody - Images

AF2085a (0.5 µg/ml) staining of Human Bone Marrow lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-THRA Antibody - Background

The protein encoded by this gene is a nuclear hormone receptor for triiodothyronine. It is one of the several receptors for thyroid hormone, and has been shown to mediate the biological activities of thyroid hormone. Knockout studies in mice suggest that the different receptors, while having certain extent of redundancy, may mediate different functions of thyroid hormone. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

Goat Anti-THRA Antibody - References

Meta-analyses of genes modulating intracellular T3 bio-availability reveal a possible role for the DIO3 gene in osteoarthritis susceptibility. Meulenbelt I, et al. Ann Rheum Dis, 2010 Aug 19. PMID 20724312.

Association of CR1, CLU and PICALM with Alzheimer's disease in a cohort of clinically characterized and neuropathologically verified individuals. Corneveaux JJ, et al. Hum Mol Genet, 2010 Aug 15. PMID 20534741.

Cyclin-dependent kinase 8 positively cooperates with Mediator to promote thyroid hormone receptor-dependent transcriptional activation. Belakavadi M, et al. Mol Cell Biol, 2010 May. PMID 20231357.

Ontogenetic profile of the expression of thyroid hormone receptors in rat and human corpora cavernosa of the penis. Carosa E, et al. J Sex Med, 2010 Apr. PMID 20141582.

A conserved lysine in the thyroid hormone receptor-alpha1 DNA-binding domain, mutated in hepatocellular carcinoma, serves as a sensor for transcriptional regulation. Chan IH, et al. Mol Cancer Res, 2010 Jan. PMID 20053725.