

Rabbit anti-Human THRSP Polyclonal Antibody | anti-THRSP antibody

Anti-THRSP Antibody, Rabbit Polyclonal

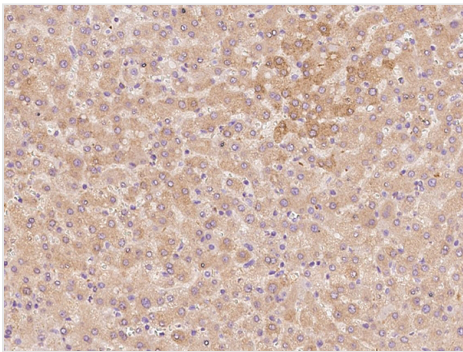
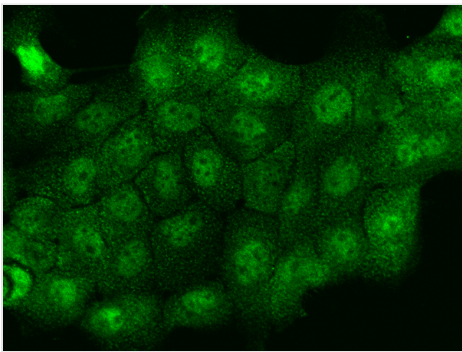
CATALOG # AAA256442	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

THRSP; Polyclonal Antibody; Anti-THRSP Antibody; Rabbit Polyclonal; THRSP Antibody; Rabbit PAb; Antigen Affinity Purified; thyroid hormone responsive; Anti-Lpgp Antibody; Anti-LPGP1 Antibody; Anti-S14 Antibody; Anti-SPOT14 Antibody; Anti-THRP Antibody; anti-THRSP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human THRSP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-THRSP antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human THRSP fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human THRSP fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of THRSP in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human THRSP polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor\$488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and Cytoplasm.

IHC (Immunohistochemistry)
Immunochemical staining of human THRSP in human liver with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-THRSP antibody	Thyroid hormone responsive spot 14 (THRSP) is a small nuclear protein that responds rapidly to thyroid hormone. It has been shown that THRSP is abundant in lipogenic tissues such as the liver, fat, and the mammary gland in mammals. The THRSP gene acts as a key lipogenic activator and can be activated by thyroid hormone triiodothyronine (T3), glucose, carbohydrate, and insulin. THRSP is suggested as a transcription factor involved in the regulation of adipogenic enzymes by 3 thyroid response elements in the promoter region. In cattle, THRSP could be a potential molecular marker for intramuscular fat (IMF) deposition since mRNA abundance was frequently found to be increased in skeletal muscle with high IMF content compared to those with low IMF. In the chicken genome, the THRSP gene was identified to duplicate into 2 paralogs, THRSPalpha, and THRSPbeta.
References	Zhan K, et al. (2006) Molecular cloning and expression of the duplicated thyroid hormone responsive spot 14 (thrsp) genes in ducks. Poult Sci 85 (10): 1746-1754.Schering L, et al. (2017) Increased expression of thyroid hormone responsive protein (thrsp) is the result but not the cause of higher intramuscular fat content in cattle. Int J Biol Sci 13 (5): 532-544.Ren J, et al. (2017) Expression of thyroid hormone responsive spot 14 gene is regulated by estrogen in chicken (gallus gallus). Sci Rep 7 (1): 10243.Cui Y, et al. (2015) Thyroid hormone responsive protein spot 14 enhances lipogenesis in bovine mammary epithelial cells. In Vitro Cell Dev Biol Anim 51 (6): 586-594.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.