Mouse THRSP Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF6574G
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse THRSP in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant mouse THRSP Gly47-Leu150 Accession # Q62264
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

THRSP (Thyroid hormone inducible hepatic protein; also S14/SPOT 14) is an 18-20 kDa acidic nuclear protein that belongs to the SPOT14 family of molecules. It is expressed by lactating mammary epithelium, adipocytes and hepatocytes, and appears to promote the synthesis of long-chain fatty acids. Its synthesis is induced by thyroid hormone, insulin and carbohydrates. Mouse THRSP is 150 amino acids (aa) in length. The residues between aa 10-66 contain a Leu-zipper domain that mediates noncovalent homodimerization plus heterodimerization with MIG12. Other proteins known to bind to THRSP include the thyroid hormone receptor and Zac51. Heterointeractions are posited to positively influence p53-dependent gene activation. Two potential isoforms are reported. One contains a seven aa extension at the C-terminus, while another shows a deletion of aa 31-64. Over aa 47-150, mouse THRSP shares 78% and 94% aa identity with human and rat THRSP, respectively.

PRODUCT SPECIFIC NOTICES

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