

ARG43198 anti-THNSL2 / SOFAT antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes THNSL2 / SOFAT
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	THNSL2 / SOFAT
Species	Human
Immunogen	KLH-conjugated synthetic peptide within the center region of Human THNSL2 / SOFAT.
Conjugation	Un-conjugated
Alternate Names	Threonine synthase-like 2; Secreted osteoclastogenic factor of activated T-cells; EC 4.2.3.-; SOFAT; TSH2; THS2

Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:500 - 1:2000
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WB	1:500 - 1:2000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	HepG2, Raw264.7 and H9C2				
Observed Size	~ 54 kDa				

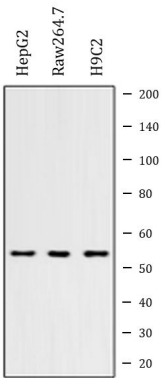
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	THNSL2
Gene Full Name	threonine synthase-like 2
Background	This gene encodes a threonine synthase-like protein. A similar enzyme in mouse can catalyze the degradation of O-phospho-homoserine to a-ketobutyrate, phosphate, and ammonia. This protein also has phospho-lyase activity on both gamma and beta phosphorylated substrates. In mouse an alternatively spliced form of this protein has been shown to act as a cytokine and can induce the production of the inflammatory cytokine IL6 in osteoblasts. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]
Function	<p>[Isoform 1]: Acts as a catabolic phospho-lyase on both gamma- and beta-phosphorylated substrates. Degrades O-phospho-threonine (PThr) to alpha-ketobutyrate, ammonia and phosphate (By similarity).</p> <p>[Isoform SOFAT]: Potent inducer of osteoblastic production of IL6. May act to exacerbate inflammation and/or bone turnover under inflammatory conditions. [UniProt]</p>
Calculated Mw	54 kDa
Cellular Localization	Isoform SOFAT: Secreted. Note=Secreted by activated T-cells via a calcineurin-independent pathway. [UniProt]

Images



ARG43198 anti-THNSL2 / SOFAT antibody WB image

Western blot: HepG2, Raw264.7 and H9C2 whole cell lysates stained with ARG43198 anti-THNSL2 / SOFAT antibody.