

## 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	Application	Dilution
	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	

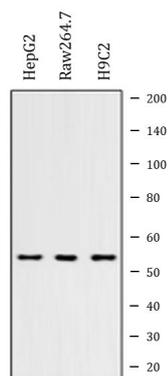
### Properties

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	[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).  [Isoform SOFAT]: Potent inducer of osteoblastic production of IL6. May act to exacerbate inflammation and/or bone turnover under inflammatory conditions. [UniProt]
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.