

ARG45474 anti-THEM4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes THEM4
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Specificity	THEM4
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	THEM4
Species	Human
Immunogen	Recombinant protein containing to human THEM4.
Conjugation	Un-conjugated
Alternate Names	THEM4; Thioesterase Superfamily Member 4; CTMP; Carboxyl-Terminal Modulator Protein; Acyl-Coenzyme A Thioesterase THEM4; C-Terminal Modulator Protein; Acyl-CoA Thioesterase THEM4; EC 3.1.2.2

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	22 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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 or below. 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.

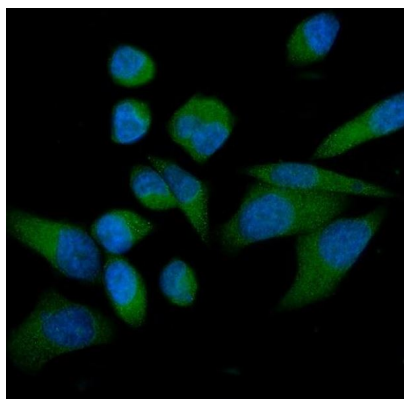
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	THEM4
Gene Full Name	Thioesterase Superfamily Member 4
Background	Protein kinase B (PKB) is a major downstream target of receptor tyrosine kinases that signal via phosphatidylinositol 3-kinase. Upon cell stimulation, PKB is translocated to the plasma membrane, where it is phosphorylated in the C-terminal regulatory domain. The protein encoded by this gene negatively regulates PKB activity by inhibiting phosphorylation. Transcription of this gene is commonly downregulated in glioblastomas. [provided by RefSeq, Jul 2008]
Function	Has acyl-CoA thioesterase activity towards medium and long-chain (C14 to C18) fatty acyl-CoA substrates, and probably plays a role in mitochondrial fatty acid metabolism. Plays a role in the apoptotic process, possibly via its regulation of AKT1 activity. [UniProt]
Calculated Mw	27 kDa
Cellular Localization	Cell membrane; Cell projection; Cytoplasm; Membrane; Mitochondrion; Mitochondrion inner membrane. [UniProt]

Images



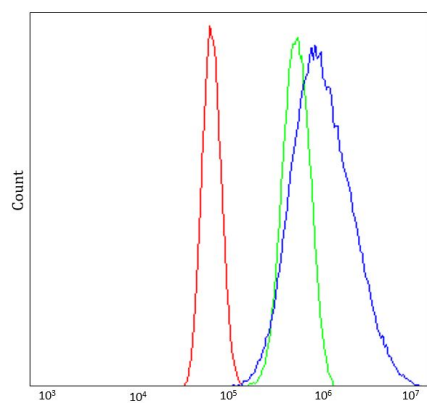
ARG45474 anti-THEM4 antibody ICC/IF image

Immunofluorescence: PC-3 stained with ARG45474 anti-THEM4 antibody at 5 µg/ml dilution.



ARG45474 anti-THEM4 antibody WB image

Western blot: K562 stained with ARG45474 anti-THEM4 antibody at 0.5 µg/ml dilution.



ARG45474 anti-THEM4 antibody FACS image

Flow Cytometry: U87 stained with ARG45474 anti-THEM4 antibody at $1 \mu\text{g}/10^6$ cells dilution.