

Datasheet for ABIN1413407

anti-Calcyphosine antibody (AA 101-189) (Cy5.5)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Calcyphosine (CAPS)
Binding Specificity:	AA 101-189
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calcyphosine antibody is conjugated to Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Calcyphosine 1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Calcyphosine (CAPS)
Alternative Name:	Calcyphosine 1/CAPS1 (CAPS Products)

Target Details

Background:	Synonyms: Calcyphosin, Calcyphosine 1, Calcyphosine, CAPS, CAPS1, CAYP1_HUMAN, Thyroid protein p24. Background: CAPS1 is a 189 amino acid cytoplasmic protein that contains four EF-hand domains, which serve as calcium-binding sites, and was first identified in canine thyroid. Interestingly, CAPS1 is much less abundant in humans than in canines. Synthesis and phosphorylation of CAPS1 is upregulated by cAMP-agonists in thyrocytes. CAPS1 likely functions in the regulation of ionic transport and may be involved in cross-signaling between cAMP and Ca(+2)-phosphatidylinositol cascades. In addition to thyriod, CAPS1 is expressed in brain, salivary glands and lung. Expression of CAPS1 is increased in endometrial cancer and prognosis seems to be dependent on the level of CAPS1 expression, indicating that CAPS1 may be an appropriate prognostic marker for patient survival.
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Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months