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Datasheet for ABIN4998941

**anti-Calcyphosine 2 antibody (AA 221-320) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	Calcyphosine 2 (CAPS2)
Binding Specificity:	AA 221-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calcyphosine 2 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Calcyphosine 2/CAPS2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	Calcyphosine 2 (CAPS2)
Alternative Name:	Calcyphosine 2/CAPS2 ( <a href="#">CAPS2 Products</a> )
Background:	Synonyms: Calcyphosin 2, Calcyphosin-2, Calcyphosine-2, Calcyphosine2, Calcyphosphine 2,

## Target Details

CAPS 2, CAPS2, CAYP2\_HUMAN, D630005B03Rik, FLJ34520, OTTHUMP00000202412, OTTMUSP00000027695, UG0636c06.

Background: CAPS2 is a 557 amino acid calcium-binding protein that is abundantly expressed, with highest expression found in placenta, testis, colon, lung and brain. CAPS2 contains three EF-hand domains and exists as three alternatively spliced isoforms. Suggested to play a role in large dense-core vesicle (LDCV) exocytosis, CAPS2 is encoded by a gene that maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5 % of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders.

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## 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