

## Rabbit Anti-Calcyphosine 2 antibody

SL12163R

**Product Name** Calcyphosine 2

**Chinese Name** 钙磷蛋白 2 抗体

**Alias** Calcyphosin 2; Calcyphosin-2; Calcyphosine-2; Calcyphosine2; CAPS 2; CAPS2; CAYP2\_HUMAN; D630005B03Rik; FLJ34520; OTTHUMP00000202412; OTTMUSP00000027695; UG0636c06.

**Research Area** Cell biology Neurobiology Signal transduction The cell membrane 受体 Binding protein

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, Chicken, Pig, Cow, Sheep, )

IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000  
(Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 64kDa

**Cellular localization** The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human Calcyphosine 2/CAPS2: 221-320/557

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

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.

**Subcellular Location:**

Cell membrane

**Tissue Specificity:**

Abundantly expressed in many tissues. Expressed in brain, colon, heart, kidney, liver, lung, liver, pancreas, placenta, skeletal muscle, testis and thymus. Highest expression in colon, testis, lung, placenta and brain.

**Similarity:**

Contains 3 EF-hand domains.

**SWISS:**

Q13938

**Gene ID:**

828

**Database links:**

[Entrez Gene: 828](#) Human

[Omim: 114212](#) Human

[SwissProt: Q13938](#) Human

[Unigene: 584744](#) Human

[Unigene: 627868](#) Human

**Product  
Detail**