

Anti-CAPS2 antibody ab69794

[2 References](#) [3 Images](#)

Overview

Product name	Anti-CAPS2 antibody
Description	Rabbit polyclonal to CAPS2
Host species	Rabbit
Specificity	specific to CAPS2 and does not recognize CADPS1
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human CAPS2 (internal sequence). Database link: Q86UW7
Positive control	Human brain cytoplasmic lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab69794 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.
IHC-P		Use a concentration of 5 µg/ml.
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 147 kDa (predicted molecular weight: 147 kDa).

Target

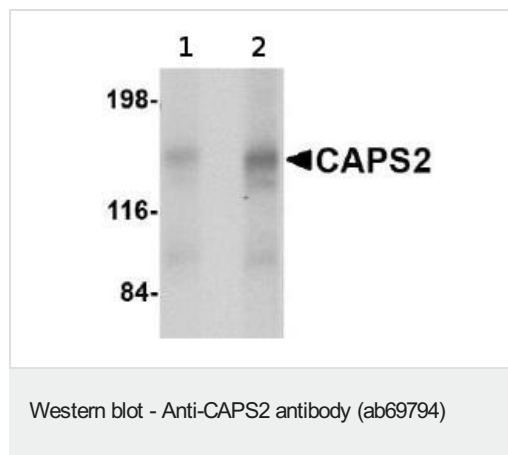
Relevance

CADPS2 (Ca²⁺-dependent activator protein for secretion) belongs to the CAPS/Cadps family and consists of two members, CAPS1 and CAPS2. Both members play an important role in secretory granule exocytosis. CADPS2 is involved in the release of two neurotrophins, brain-derived neurotrophic factor and neurotrophin-3, from parallel fibers of cerebellar granule cells. CAPS proteins are expressed predominantly in the brain. CADPS2 has been found in various brain regions including the olfactory bulb, cerebrum, hippocampal formation, thalamus, mesencephalic tegmentum, cerebellum, medulla and spinal cord. CADPS2 colocalizes with proteins related to exocytosis (VAMP and SNAP-25) and endocytosis (Dynamin I) in the cell soma and processes of the mesencephalic tegmentum and cerebellum.

Cellular localization

Cytoplasmic. Membrane-associated to vesicles.

Images



Lane 1 : Anti-CAPS2 antibody (ab69794) at 0.5 µg/ml

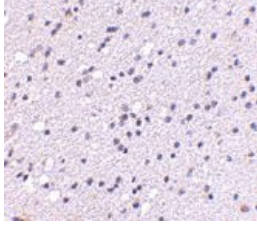
Lane 2 : Anti-CAPS2 antibody (ab69794) at 1 µg/ml

All lanes : Human brain tissue lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 147 kDa

Observed band size: 148 kDa



ab69794 at 5 µg/ml staining CAPS2 in human brain tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPS2 antibody (ab69794)

Immunocytochemistry/ Immunofluorescence - Anti-CAPS2 antibody (ab69794)

Immunofluorescence of CAPS2 in Human Brain cells using ab69794 at 20 ug/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors