

Product datasheet

Anti-Chromogranin C/SGII antibody ab104367

3 Images

Overview

Product name	Anti-Chromogranin C/SGII antibody
Description	Rabbit polyclonal to Chromogranin C/SGII
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Monkey, Macaque monkey, Orangutan 
Immunogen	Synthetic peptide corresponding to Human Chromogranin C/SGII aa 400-500 conjugated to keyhole limpet haemocyanin. (Peptide available as ab115938)
Positive control	This antibody gave a positive signal in the following tissue lysates: Human Kidney; Human Lung; Human Adrenal gland; Human Liver.
General notes	Previously labelled as Chromogranin C

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab104367** in the following tested applications.

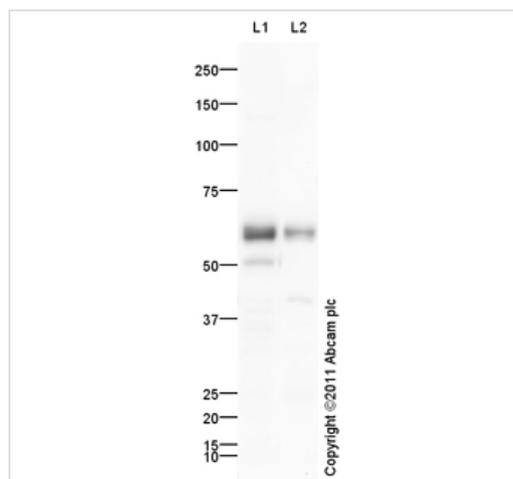
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 65 kDa (predicted molecular weight: 70 kDa).
ICC/IF		Use a concentration of 5 µg/ml.

Target

Function	Secretogranin-2 is a neuroendocrine secretory granule protein, which is the precursor for biologically active peptides.
Sequence similarities	Belongs to the chromogranin/secretogranin protein family.
Cellular localization	Secreted. Neuroendocrine and endocrine secretory granules.

Images



Western blot - Anti-Chromogranin C/SGII antibody (ab104367)

All lanes : Anti-Chromogranin C/SGII antibody (ab104367) at 1 µg/ml

Lane 1 : Human kidney tissue lysate - total protein (ab30203)

Lane 2 : Lung (Human) Tissue Lysate (ab4014)

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 70 kDa

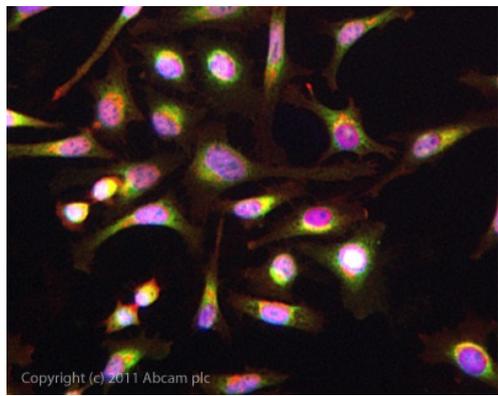
Observed band size: 64 kDa

[why is the actual band size different from the predicted?](#)

Additional bands at: 50 kDa. We are unsure as to the identity of these extra bands.

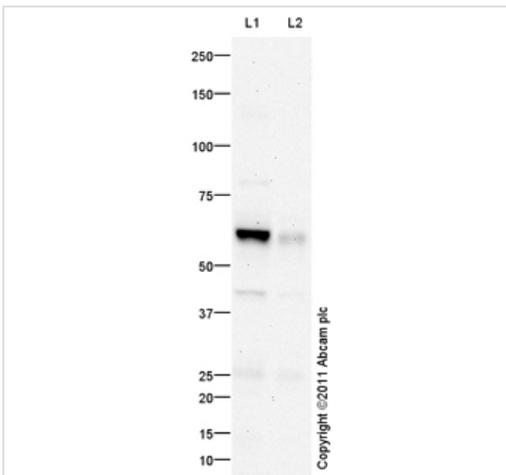
Exposure time: 90 seconds

The band observed at 64 kDa could potentially be a cleaved form of Chromogranin C due to the presence of a 27 amino acid signal peptide and 3 amino acid propeptide.



Immunocytochemistry/ Immunofluorescence - Anti-Chromogranin C/SGII antibody (ab104367)

ICC/IF image of ab104367 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab104367 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (ab96899) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - Anti-Chromogranin C/SGII antibody (ab104367)

All lanes : Anti-Chromogranin C/SGII antibody (ab104367) at 1 µg/ml

Lane 1 : Human adrenal normal tissue lysate - total protein (ab29249)

Lane 2 : Human liver tissue lysate - total protein (ab29889)

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 70 kDa

Observed band size: 64 kDa [why is the actual band size different from the predicted?](#)

Additional bands at: 42 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes

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