


Anti-CRMP5 antibody ab79008

★☆☆☆☆ **1 Abreviews** **3 图像**

概述

产品名称	Anti-CRMP5抗体
描述	兔多克隆抗体to CRMP5
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF, IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide corresponding to Human CRMP5 aa 450-550 conjugated to keyhole limpet haemocyanin. (Peptide available as ab89373)
阳性对照	This antibody gave a positive signal in human brain and human spinal cord tissue lysates and in the following whole cell lysates: SHSY-5Y; SK N BE; SHSY-5Y.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	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.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

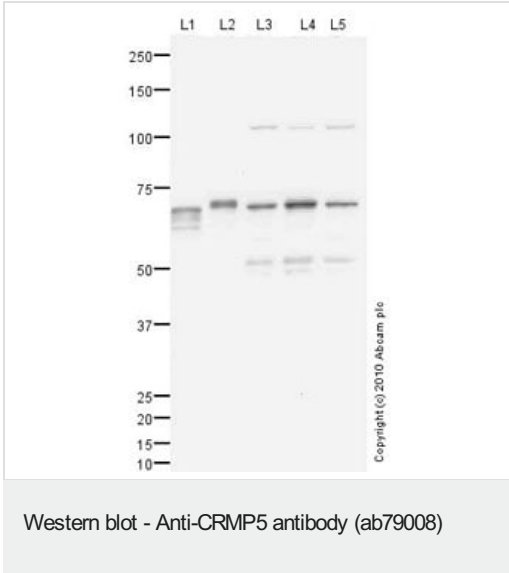
The Abpromise guarantee **Abpromise™**承诺保证使用ab79008于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Detects a band of approximately 70 kDa (predicted molecular weight: 61 kDa).
ICC/IF		Use a concentration of 5 µg/ml.
IP		Use a concentration of 5 µg/ml.

靶标

图片



All lanes : Anti-CRMP5 antibody (ab79008) at 1 µg/ml

- Lane 1 :** Human brain tissue lysate - total protein ([ab29466](#))
- Lane 2 :** Human spinal cord tissue lysate - total protein ([ab29188](#))
- Lanes 3 & 5 :** SHSY-5Y (Human neuroblastoma cell line) Whole Cell Lysate
- Lane 4 :** SK N BE (Human neuroblastoma) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 61 kDa

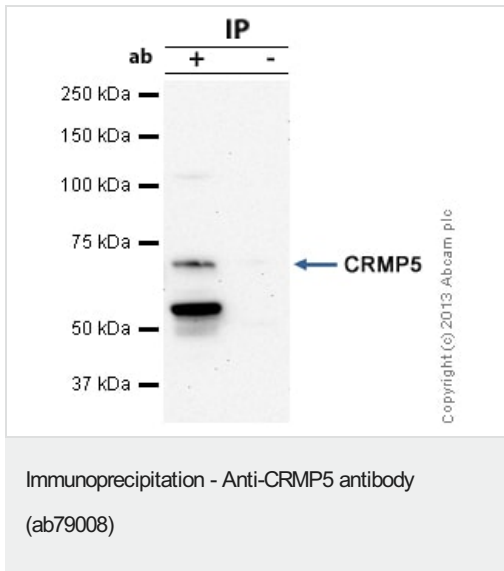
Observed band size: 70 kDa

Additional bands at: 110 kDa, 55 kDa. We are unsure as to the

identity of these extra bands.

Exposure time: 2 minutes

CRMP5 contains a number of potential phosphorylation sites (SwissProt data) which may explain it running at a higher molecular weight than predicted.



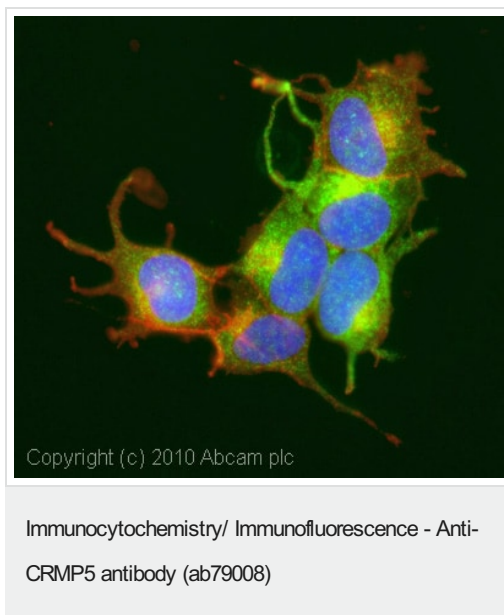
CRMP5 was immunoprecipitated using 0.5mg SHSY5Y whole cell extract, 5µg of Rabbit polyclonal to CRMP5 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, SHSY5Y whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab79008.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) ([ab99697](#)).

Band: 70kDa; CRMP5, non specific band - 55kDa: We are unsure as to the identity of this extra band.



ICC/IF image of ab79008 stained SHSY5Y 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 (ab79008, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit 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. This antibody also gave a positive result in 100% methanol fixed (5 min) SHSY5Y cells at 5µg/ml.

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