

### Anti-Drebrin antibody ab11068

★★★★★ [5 Abreviews](#) [25 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-Drebrin antibody
<b>Description</b>	Rabbit polyclonal to Drebrin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC, WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Chicken, Human
<b>Immunogen</b>	Synthetic peptide conjugated to KLH, corresponding to amino acids 22-42 of Human Drebrin.
<b>General notes</b>	<p>Storage in frost-free freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilutions should be discarded if not used within 12 hours.</p> <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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituent: 0.0268% PBS</p>
<b>Purity</b>	IgG fraction
<b>Purification notes</b>	Whole antiserum is fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum that is essentially free of other rabbit serum proteins.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab11068 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	★★★★★ (1)	Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 71 kDa. ab11068 recognizes drebrin E/A isoforms (95 -120 kDa) and s-drebrin/A2 (approximately 45 kDa) by immunoblotting. An additional unknown band of 20 kDa may be observed in some preparations.
IHC-P	★★★★★ (4)	Use at an assay dependent concentration.
ICC/IF		Use a concentration of 1 µg/ml.

## Target

### Function

Drebrins might play some role in cell migration, extension of neuronal processes and plasticity of dendrites, respectively.

### Tissue specificity

Brain neurons. Also found in the heart, placenta, skeletal muscle, kidney and pancreas.

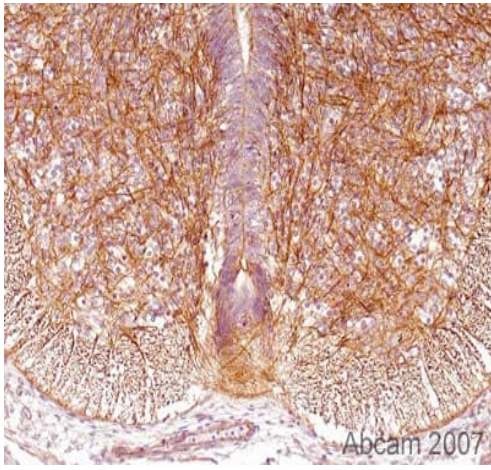
### Sequence similarities

Contains 1 ADF-H domain.

### Cellular localization

Cytoplasm.

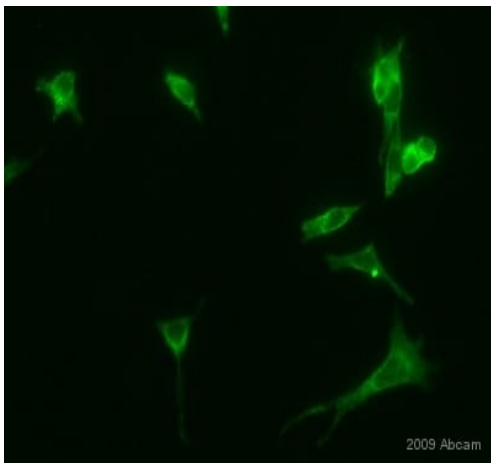
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Drebrin antibody (ab11068)

This image is courtesy of Carl Hobbs, King's College London, United Kingdom

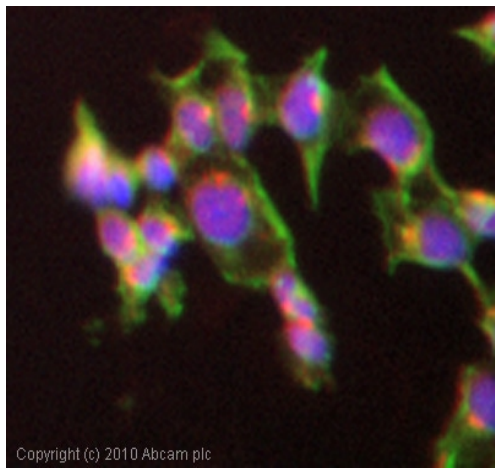
Rabbit polyclonal to Drebrin (ab11068) used in IHC (Formalin/PFA-fixed paraffin-embedded sections; Standard stABCpx-DAB detection). ab11068 detecting Drebrin protein on Rat spinal cord E16 embryo sections fixed in formaldehyde. Antigen retrieval step: Heat mediated. 1% BSA as blocking agent for 10 mins at RT. Ab11068 was used at a dilution of 1/2500 incubated for 16 hours. Secondary Antibody is biotin labeled anti rabbit IgG (1/300). Drebrin positivity conformed to published localisation: essentially, many non-neuronal developing tissues were positive, eg: skeletal primary myotubes. This picture is of spinal cord floor plate region (x20). Nuclei were counterstained using Mayer's Haemalum.



Immunocytochemistry/ Immunofluorescence - Anti-Drebrin antibody (ab11068)

This image is a courtesy of Anonymous Abreview

ab11068 staining Drebrin in mouse COR-1 cells by Immunocytochemistry/ Immunofluorescence. Cells were fixed with paraformaldehyde, permeabilized with Triton x100 and blocking with 2% BSA was done at 25°C for 15 minutes. Samples were incubated with primary antibody (1/100: in 1% BSA 0.25% gelatin in PBS) for 3 hours at 25°C. An Alexa Fluor®488-conjugated goat polyclonal to rabbit IgG was used at dilution at 1/200 as secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-Drebrin antibody (ab11068)

ICC/IF image of ab11068 stained Hek293 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 (ab11068, 1µg/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.

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

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