

## Product datasheet

# Anti-Plexin A2 antibody ab39357

★★★★☆ 3 Abreviews 5 References 2 Images

### Overview

<b>Product name</b>	Anti-Plexin A2 antibody
<b>Description</b>	Rabbit polyclonal to Plexin A2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, IHC-FoFr
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse <b>Predicted to work with:</b> Human  <b>Does not react with:</b> Rat
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse Plexin A2 aa 300-400. (Peptide available as <a href="#">ab39356</a> )
<b>General notes</b>	<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>	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.
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab39357 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 2 µg/ml. Detects a band of approximately 230 kDa (predicted molecular weight: 212 kDa).
IHC-P		Use at an assay dependent concentration.
IHC-FoFr	★★★★★ (1)	Use at an assay dependent concentration.

## Target

### Function

Coreceptor for SEMA3A. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm.

### Tissue specificity

Detected in fetal brain.

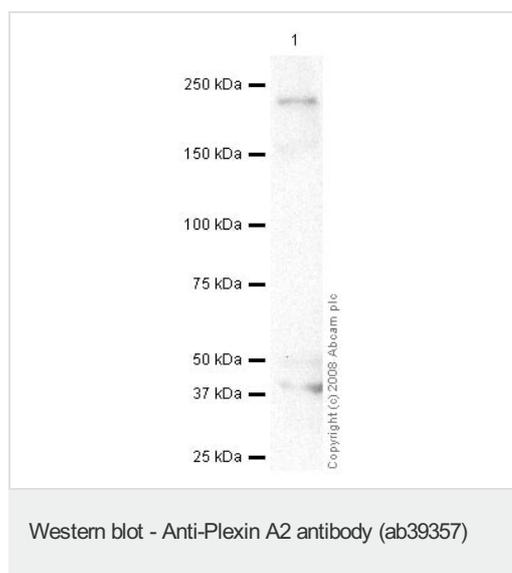
### Sequence similarities

Belongs to the plexin family.  
Contains 4 IPT/TIG domains.  
Contains 1 Sema domain.

### Cellular localization

Membrane.

## Images



Anti-Plexin A2 antibody (ab39357) at 2 µg/ml + Mouse brain tissue lysate - total protein (0 days) ([ab7188](#)) at 20 µg

### Secondary

Goat Polyclonal to rabbit IgG - H&L - Pre adsorbed (HRP) at 1/3000 dilution

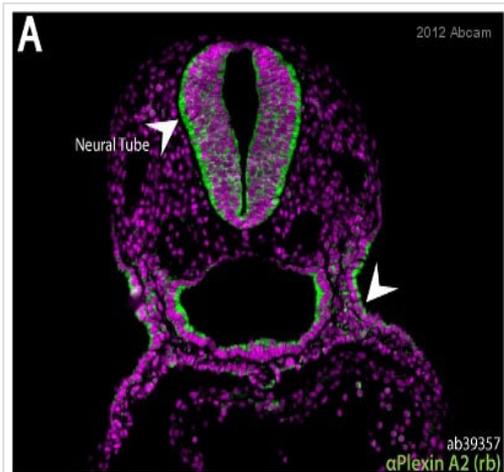
Performed under reducing conditions.

**Predicted band size:** 212 kDa

**Observed band size:** 230 kDa

Plexin A2 contains a number of potential glycosylation sites

(SwissProt) which may explain its migration at a higher molecular weight than predicted.



Immunofluorescence analysis of mouse neural tube cells, staining Plexin A2 (green) with ab39357.

Cells were fixed before being blocked with 10% serum for 1 hour at 26°C. Samples were incubated with primary antibody (1/100 in diluent) for 12 hours at 4°C. An AlexaFluor®488-conjugated goat anti-rabbit polyclonal IgG (1/500) was used as the secondary antibody.

Immunocytochemistry/ Immunofluorescence - Anti-Plexin A2 antibody (ab39357)

This image is courtesy of an anonymous Abreview

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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