


Product datasheet

Anti-Plexin A2 antibody ab39357

★★★★☆ [4 Abreviews](#) [6 References](#) [1 Image](#)

Overview

Product name	Anti-Plexin A2 antibody
Description	Rabbit polyclonal to Plexin A2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IHC-FoFr
Species reactivity	Reacts with: Mouse Predicted to work with: Human  Does not react with: Rat
Immunogen	Synthetic peptide corresponding to Mouse Plexin A2 aa 300-400. (Peptide available as ab39356)
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 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 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

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	★★★★★ (1)	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.

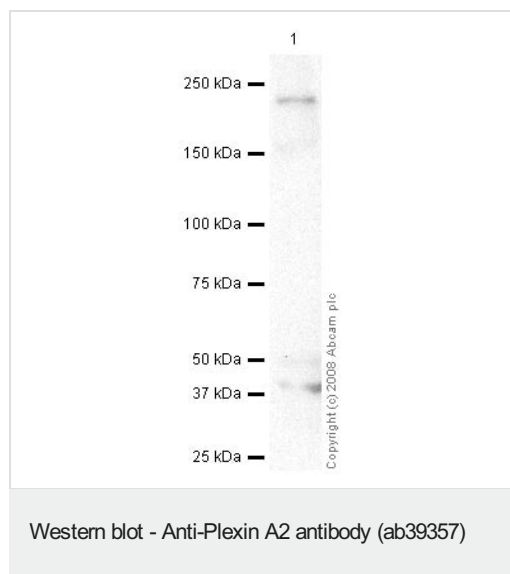
Sequence similarities

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.

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

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