

## Product datasheet

# Anti-Neuroserpin antibody ab32901

★★★★★ 1 Abreviews 1 References 2 Images

### Overview

<b>Product name</b>	Anti-Neuroserpin antibody
<b>Description</b>	Goat polyclonal to Neuroserpin
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat, Chicken, Chimpanzee
<b>Immunogen</b>	Synthetic peptide: TMNTSGHDFEEL (Human)(C-terminal)  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab32901** in the following tested applications.

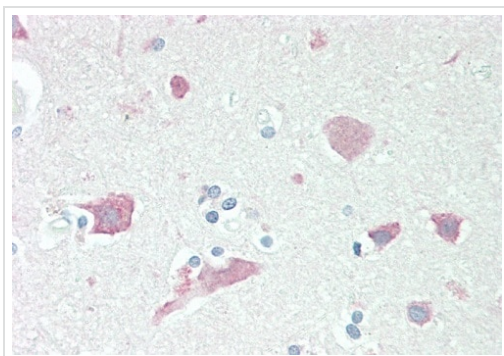
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 3 µg/ml. Predicted molecular weight: 48 kDa. 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

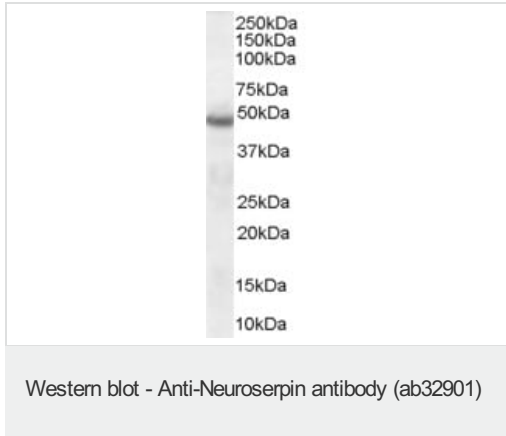
<b>Function</b>	Serine protease inhibitor that inhibits plasminogen activators and plasmin but not thrombin. May be involved in the formation or reorganization of synaptic connections as well as for synaptic plasticity in the adult nervous system. May protect neurons from cell damage by tissue-type plasminogen activator.
<b>Tissue specificity</b>	Predominantly expressed in the brain.
<b>Involvement in disease</b>	Defects in SERPIN1 are the cause of familial encephalopathy with neuroserpin inclusion bodies (FEN1B) [MIM:604218]. FEN1B is characterized clinically as an autosomal dominantly inherited dementia, histologically by unique neuronal inclusion bodies and biochemically by polymers of neuroserpin.
<b>Sequence similarities</b>	Belongs to the serpin family.
<b>Cellular localization</b>	Secreted.

## Images



Immunohistochemical analysis of paraffin embedded Human cortex tissue, staining Neuroserpin with ab32901 at 5µg/ml. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neuroserpin antibody (ab32901)



Anti-Neuroserpin antibody (ab32901) at 1 µg/ml + Human Brain lysate (35µg protein in RIPA buffer)

**Predicted band size:** 48 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

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

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors