

# Anti-CXCR3 antibody ab133420

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### Overview

<b>Product name</b>	Anti-CXCR3 antibody
<b>Description</b>	Rabbit polyclonal to CXCR3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide, from internal sequence amino acids of Human CXCR3.
<b>Positive control</b>	Human brain (cortex neurons) tissue; K562 cell extract.
<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 long term.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.88% Sodium chloride</p>
<b>Purity</b>	PBS (without Mg <sup>2+</sup> , Ca <sup>2+</sup> )
<b>Clonality</b>	Immunogen affinity purified
<b>Isotype</b>	Polyclonal
	IgG

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab133420 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		1/500 - 1/1000. Predicted molecular weight: 40 kDa.
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

Receptor for CXCL9, CXCL10 and CXCL11 and mediates the proliferation of human mesangial cells (HMC).  
Isoform 2 is a receptor for CXCL4 and also mediates the inhibitory activities of CXCL9, CXCL10 and CXCL11 on the growth of human microvascular endothelial cells (HMVEC). May play a role in angiogenesis.  
Isoform 3 mediates the activity of CXCL11.

### Tissue specificity

Isoform 1 and isoform 2 are mainly expressed in heart, kidney, liver and skeletal muscle. Isoform 1 is also expressed in placenta.

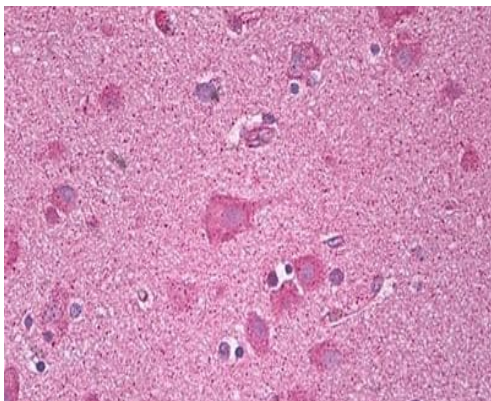
### Sequence similarities

Belongs to the G-protein coupled receptor 1 family.

### Cellular localization

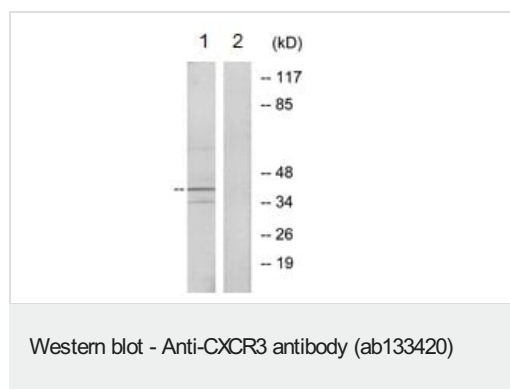
Cell membrane.

## Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain (cortex neurons) tissue labelling CXCR3 with **ab133** antibody at 10µg/ml, followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CXCR3 antibody (ab133420)



**All lanes :** Anti-CXCR3 antibody (ab133420) at 1/500 dilution

**Lane 1 :** K562 cell extract

**Lane 2 :** K562 cell extract with synthesized peptide

**Predicted band size:** 40 kDa

**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

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