




Product datasheet

Anti-EDG8 antibody ab214464

3 Images

Overview

<b>Product name</b>	Anti-EDG8 antibody
<b>Description</b>	Rabbit polyclonal to EDG8
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat <b>Predicted to work with:</b> Human 
<b>Immunogen</b>	Synthetic peptide within Human EDG8 aa 1-40 (N terminal) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Sequence: MESGLLRPAPVSEVMLHYNYTGKLRGARYQPGAGLRA DA  Database link: <a href="#">Q9H228</a>   <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	Rat spleen tissue.

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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, 1% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab214464** in the following tested applications.

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

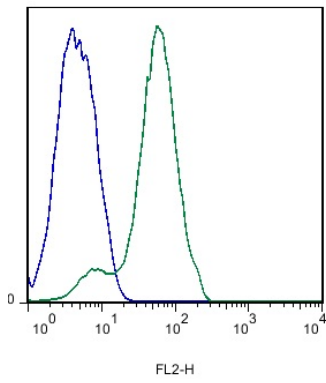
Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/300.
Flow Cyt		1/50.

## Target

<b>Function</b>	Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G(i/0)alpha and G(12) subclass of heteromeric G-proteins (By similarity). May play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells.
<b>Tissue specificity</b>	Widely expressed in the brain, most prominently in the corpus callosum, which is predominantly white matter. Detected in spleen, peripheral blood leukocytes, placenta, lung, aorta and fetal spleen. Low-level signal detected in many tissue extracts. Overexpressed in leukemic large granular lymphocytes. Isoform 1 is predominantly expressed in peripheral tissues. Isoform 2 is expressed in brain, spleen and peripheral blood leukocytes.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 1 family.
<b>Developmental stage</b>	At 24 weeks of gestation, fragments of radial glial fibers are positive within the cortical plate and subplate of allocortical areas. These positive fragments often appear enlarged as varicosities and some of them terminate at blood vessels. Between 28 and 30 weeks of gestation, all iso- and allocortical areas contain immunolabelled radial glial fibers revealing curvature next to sulci. After 32 weeks of gestation, radial glial fibers gradually disappear; instead positive transitional stages between radial glia and astrocytes were found.
<b>Cellular localization</b>	Cell membrane.

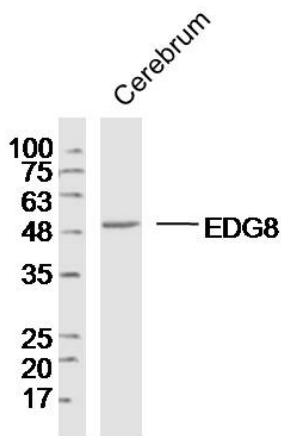
## Images

Flow Cytometry of Mouse Spleen with [ab203037](#) at 1/50



Flow Cytometry - Anti-EDG8 antibody (ab214464)

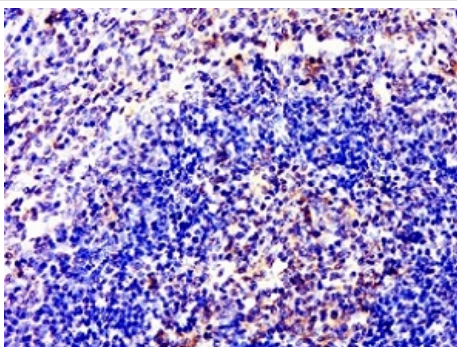
Anti-EDG8 antibody (ab214464) at 1/300 dilution + Mouse brain



Western blot - Anti-EDG8 antibody (ab214464)

**Secondary**

Conjugated secondary antibody at 1/20000 dilution



Immunohistochemical analysis of paraformaldehyde-fixed, paraffin-embedded rat spleen tissue labeling EDG8 with ab214464 at 1/400 dilution, followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EDG8 antibody (ab214464)

**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