

Product Data Sheet: S1PR5

Cat. No: AB-83741

Size: 100 ug
Clone: POLY

Concentration: 1mg/ml

Host: Rb

Isotype: IgG

Immunogen: The immunogen is a synthetic peptide directed towards the N terminal region of

human EDG8

Reactivity: Hu, Ms, Rt, Cw, Dg, Pg

Western Blot: 1:100-1:1000

Immunohistochemistry(paraffin-embedded tissues): 1:100-500

Applications: Immunofluorescence (Immunohistochemistry-paraffin-embedded tissues):

1:50-200

Flow Cytometry: 1:20-100

Molecular Weight: 16kDa **Purification:** Aff. Pur.

EDG8 is a 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. It is coupled to both the G(i/0)alpha and G(12) subclass of heteromeric G-proteins (By similarity). It may play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation.

Background:cellular mechanism for targeting abnormal or short-lived proteins for degradation
Ubiquitination involves at least three classes of enzymes: ubiquitin-activating
enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein

ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. Two alternatively spliced transcript variants have been found for this gene and they

encode distinct isoforms.

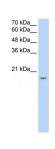
Form: Liquid

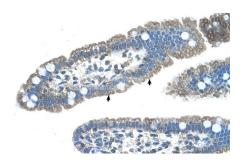
Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide

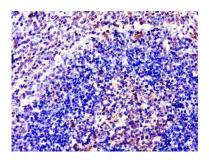
and 2% sucrose.

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at

-20C in small aliquots to prevent freeze-thaw cycles.





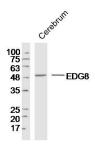




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WB Suggested Anti-EDG8 Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate **Human Intestine**

IHC P test on Rat Spleen:
Paraformaldehyde-fixed, paraffin
embedded rat spleen; Antigen retrieval
by boiling in sodium citrate buffer
(pH6.0) for 15min; Block endogenous
peroxidase by 3% hydrogen peroxide for
20 minutes; Blocking buffer (normal goat
serum) at 37°C for 30min; Antibody
incubation with EDG8 Polyclonal
Antibody at 1:400 overnight at 4°C,
followed by a conjugated secondary for
20 minutes and DAB staining.



WB test on Mouse Brain:
Lane 1: Mouse brain lysates probed with
EDG8 Polyclonal Antibody at 1:300
overnight at 4°C. Followed by a
conjugated secondary antibody at
1:20000 for 60 min at 37°C.

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