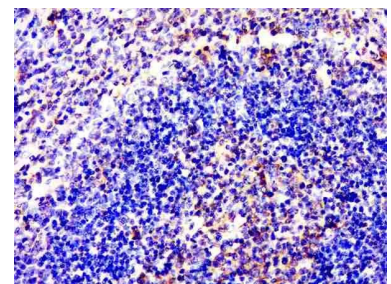
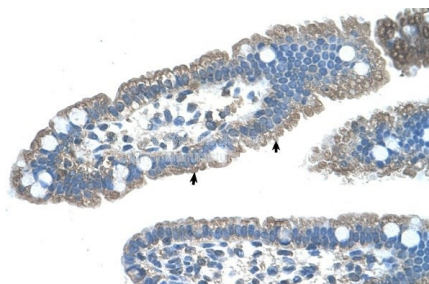
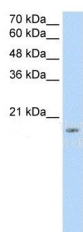


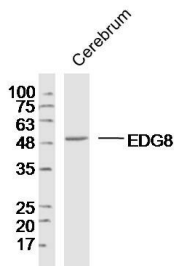
<b>Cat. No:</b>	AB-83741
<b>Size:</b>	100 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	The immunogen is a synthetic peptide directed towards the N terminal region of human EDG8
<b>Reactivity:</b>	Hu, Ms, Rt, Cw, Dg, Pg Western Blot: 1:100-1:1000 Immunohistochemistry(paraffin-embedded tissues): 1:100-500
<b>Applications:</b>	Immunofluorescence (Immunohistochemistry-paraffin-embedded tissues): 1:50-200 Flow Cytometry: 1:20-100
<b>Molecular Weight:</b>	16kDa
<b>Purification:</b>	Aff. Pur.
<b>Background:</b>	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/o)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. 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.
<b>Form:</b>	Liquid
<b>Buffer:</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Storage:</b>	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.



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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