

Datasheet for ABIN2775524

anti-S1PR5 antibody (N-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	S1PR5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S1PR5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human EDG8
Sequence:	MESGLLRPAP VSEVIVLHYN YTGKLRGARY QPGAGLRADA VVCLAVCAFI
Predicted Reactivity:	Cow: 80%, Dog: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against EDG8. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	S1PR5
Alternative Name:	EDG8 (S1PR5 Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: Edg-8, S1P5, S1PR5, SPPR-1, SPPR-2, EDG8</p> <p>Protein Interaction Partner: TP63, GNA12, GNAO1, GNAI1, SGPP1,</p> <p>Protein Size: 147</p>
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Molecular Weight:	16 kDa
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Gene ID:	53637
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NCBI Accession:	NM_003339
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UniProt:	Q9H228
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 147 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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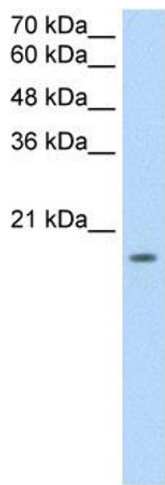
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

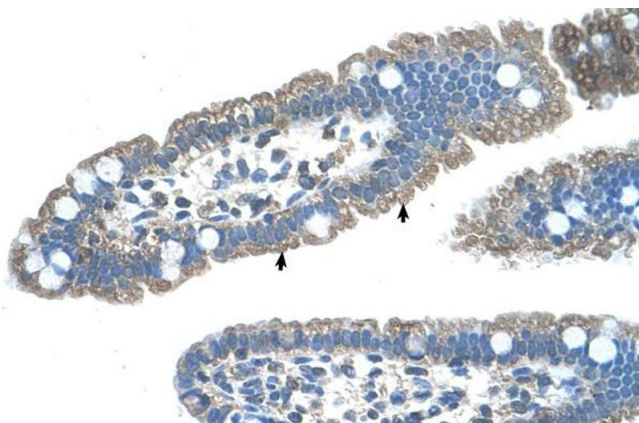
Product cited in:	Bock, Pfalzgraff, Weindl: "Sphingosine 1-phosphate differentially modulates maturation and function of human Langerhans-like cells." in: Journal of dermatological science , Vol. 82, Issue 1, pp. 9-17, (2016) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-EDG8 Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate



Immunohistochemistry

Image 2. Human Intestine