

Datasheet for 600-401-I18**Edg6 Antibody****Overview**

Description:	Anti-Edg6 (RABBIT) Antibody - 600-401-I18
Item No.:	600-401-I18
Size:	100 µg
Applications:	IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-Edg6 detects human and mouse Sphingolipid Receptor Edg6 S1P4. Edg6 is a recently cloned member of the endothelial differentiation gene (EDG) G protein-coupled receptor family. It is a receptor for the lysosphingolipid sphingosine 1-phosphate (S1P), which are structurally related lysophospholipid mediators. Binding of SPP to Edg6 activates Erk, leading to the activation of the transcription factor Elk1 and thus the mitogen-activated protein kinase (MAPK) signal transduction pathway. The protein also acts as a receptor for a lipid-derived ligand. Edg6 plays an essential role in lymphocyte cell signaling. The protein is specifically expressed in fetal and adult lymphoid and hematopoietic tissue as well as in lung. Human Edg6 gene is intronless and is mapped to chromosome 19p13.3 at the D19S120 marker. Anti-Sphingolipid Receptor Edg6 S1P4 antibody is ideal for investigators involved in neurobiology.
Synonyms:	EDG6, Sphingosine 1-phosphate receptor 4, S1P receptor 4, S1P4, Endothelial differentiation G-protein coupled receptor 6, Sphingosine 1-phosphate receptor Edg-6, S1P receptor Edg-6, Sphingolipid Receptor Edg6 S1P4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	S1PR4
Reactivity:	Human

Immunogen Type:	Conjugated Peptide
Immunogen:	Edg6 Antibody was produced from whole rabbit serum prepared by repeated immunizations with the n-terminus amino acid portion of human Edg6 protein.
Purity/Specificity:	Anti-Edg6 Antibody was purified by affinity chromatography. A BLAST analysis was used to suggest cross-reactivity with Edg6 from human, mouse and rat based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-Edg6 from other sources has not been determined.
Relevant Links:	• UniProtKB - O95977

Application Details

Tested Applications:	IF, IHC, WB
Application Note:	Anti-Edg6 is tested for use in WB, ICC/IF, IHC, and IHC-P. Expect a band approximately 35kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	5 ug/ml
WB:	3.0-5.0 ug/ml

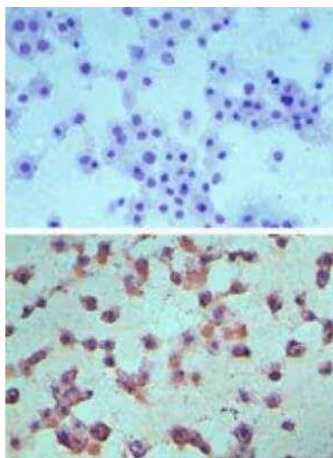
Formulation

Physical State:	Liquid
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	0.05% BSA

Shipping & Handling

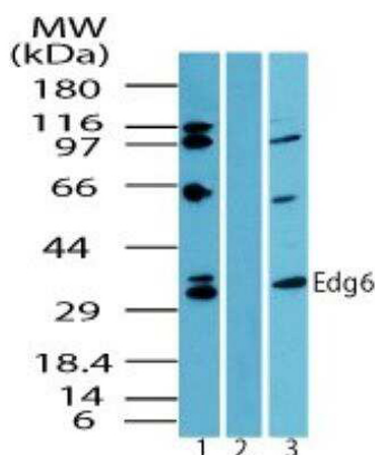
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry analysis of Anti-Edg6/S1P4 in paraffin-embedded formalin-fixed mouse RAW cells using an isotype control (top) and Edg6 antibody (bottom) at 5µg/ml.



Western Blot

Western Blot analysis of Anti-Edg6/S1P4 Antibody.

Lane 1: Jurkat cell lysate.

Lane 2: Jurkat cell lysate presence of immunizing peptide.

Lane 3: RAW cell lysate.

Primary Antibody: Anti-Edg6 at 4.0µg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.