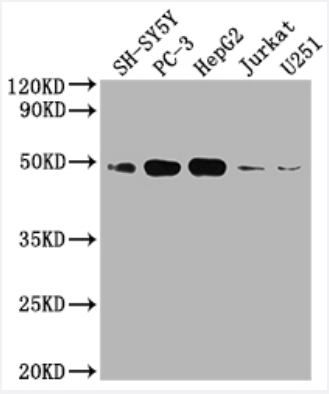
RecomAb™ Sm Size

S1PR1 recombinant monoclonal antibody, clone 4F2

Catalog # RAB08119 Size 50 uL

Applications



Western Blot

Western Blot analysis of
Lane 1: SH-SY5Y whole cell lysate;
Lane 2: PC-3 whole cell lysate;
Lane 3: HepG2 whole cell lysate;
Lane 4: Jurkat whole cell lysate;
Lane 5: U251 whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human S1PR1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human S1PR1.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

  Western Blot analysis of
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  Lane 2: PC-3 whole cell lysate;
  Lane 3: HepG2 whole cell lysate;
  Lane 4: Jurkat whole cell lysate;
  Lane 5: U251 whole cell lysate.

Gene Info — S1PR1

Entrez GeneID	1901
Protein Accession#	P21453
Gene Name	S1PR1
Gene Alias	CHEDG1, D1S3362, ECGF1, EDG-1, EDG1, FLJ58121, S1P1
Gene Description	sphingosine-1-phosphate receptor 1
Omim ID	601974
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highl y expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. [provided by RefSeq
Other Designations	G protein-coupled sphingolipid receptor|OTTHUMP00000012525|endothelial differentiation, sphi ngolipid G-protein-coupled receptor, 1|sphingosine 1-phosphate receptor EDG1

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Pathway

- Neuroactive ligand-receptor interaction

Disease

- Asthma
- Atherosclerosis
- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases
- Coronary Artery Disease
- Coronary Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Myocardial Infarction
- Stroke

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