

Rabbit EDG1 Monoclonal Antibody | anti-EDG1 antibody

EDG1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30309	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

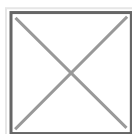
PRODUCT SYNONYMS

EDG1; Monoclonal Antibody; EDG1 Antibody; CD363 antibody; CHEDG 1 antibody; CHEDG1 antibody; D1S3362 antibody; ECGF 1 antibody; ECGF1 antibody; EDG 1 antibody; EDG1 antibody; endothelial differentiation G protein coupled receptor 1 antibody; Endothelial differentiation G-protein coupled receptor 1 antibody; Endothelial differentiation sphingolipid G protein coupled receptor 1 antibody; FLJ58121 antibody; G protein coupled sphingolipid receptor antibody; g protein-coupled receptor edg-1 antibody; S1P receptor 1 antibody; S1P receptor Edg 1 antibody; S1P receptor Edg-1 antibody; S1P receptor Edg1 antibody; S1P (1) receptor antibody; S1P1 antibody; s1pr1 antibody; S1PR1_HUMAN antibody; sphingolipid g-protein-coupled receptor 1 antibody; Sphingosine 1 phosphate receptor Edg 1 antibody; Sphingosine 1 phosphate receptor EDG1 antibody; sphingosine 1- phosphate receptor 1 antibody; Sphingosine 1-phosphate receptor 1 antibody; Sphingosine 1-phosphate receptor Edg-1 antibody; Sphingosine 1phosphate receptor type 1 S1P1 antibody; anti-EDG1 antibody

PRODUCT SPECIFICATIONS

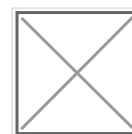
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JM10-66
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-EDG1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-5000 IHC: 1:50-1:200 ICC: 1:100-1:500 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM (Flow Cytometry)

Flow cytometric analysis of Jurkat cells with EDG1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



ICC (Immunocytochemistry)

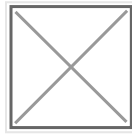
ICC staining EDG1 in SH-SY5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**ICC (Immunocytochemistry)**

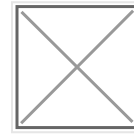
ICC staining EDG1 in HUVEC cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**ICC (Immunocytochemistry)**

ICC staining EDG1 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-EDG1 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-EDG1 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-EDG1 antibody	The EDG (endothelial differentiation gene) family of G protein coupled receptors consists of eight family members that bind lysophospholipid (LPL) mediators, including sphingosine-1-phosphate (SPP) and lysophosphatidic acid (LPA). EDG-1, EDG-3, EDG-5 (also designated H218 and AGR16) and EDG-8 bind SPP with high affinity. EDG-6 is a low affinity receptor for SPP. LPA preferentially binds to EDG-2, EDG-4 and EDG-7. The EDG receptors couple to multiple G proteins to signal through Ras, MAP kinase, Rho, Phospholipase C or other tyrosine kinases, which lead to cell survival, growth, migration and differentiation. EDG-1 signals through Gi proteins to activate Akt and is expressed in glioma cells. EDG-2 is expressed in brain, especially in white matter tract regions, while EDG-3 is expressed in cardiovascular tissue and in cerebellum. EDG-4 is highly expressed on leukocytes and brain, and EDG-5 has wide tissue distribution, including cardiovascular tissue and brain. EDG-6, which is expressed in lymphoid and hematopoietic tissues and in lung, signals through G (i/o) proteins, which activate growth related pathways
Product Categories/Family for anti-EDG1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	13027636
NCBI GeneID	1901
NCBI Accession #	NP_001391.2
NCBI GenBank Nucleotide #	NM_001400.4
UniProt Accession #	P21453; Q9BYY4; Q9NYN8; D3DT66
Molecular Weight	42,811 Da
NCBI Official Full Name	sphingosine 1-phosphate receptor 1
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 1
NCBI Official Symbol	S1PR1
NCBI Official Synonym Symbols	EDG1; S1P1; CD363; ECGF1; EDG-1; CHEDG1; D1S3362
NCBI Protein Information	sphingosine 1-phosphate receptor 1; S1P receptor 1; S1P receptor Edg-1; sphingosine 1-phosphate receptor EDG1; sphingosine 1-phosphate receptor Edg-1; endothelial differentiation G-protein coupled receptor 1; endothelial differentiation, sphingolipid G-pr
UniProt Protein Name	Sphingosine 1-phosphate receptor 1
UniProt Gene Name	S1PR1
UniProt Synonym Gene Names	CHEDG1; EDG1; S1P receptor 1; S1P1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/edg1-antibody-clone-jm10-66-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/30309>