

Rabbit anti-Human ADGRG1 Polyclonal Antibody | anti-ADGRG1 antibody

ADGRG1 Antibody

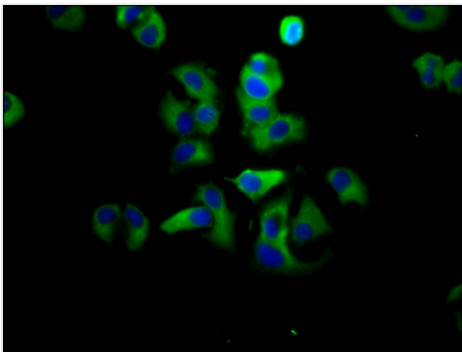
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234851	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

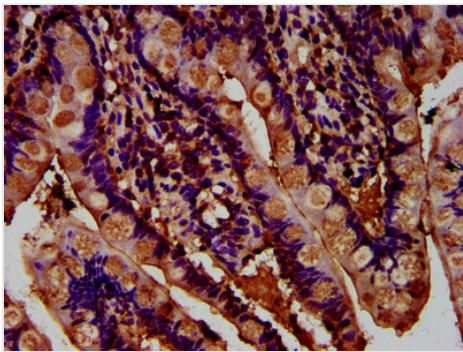
ADGRG1; Polyclonal Antibody; ADGRG1 Antibody; Adhesion G-protein coupled receptor G1; G-protein coupled receptor 56; Protein TM7XN1; ADGRG1 N-terminal fragment; ADGRG1 NT; GPR56 N-terminal fragment; GPR56 NT; GPR56(N); GPR56 extracellular subunit; GPR56 subunit alpha; ADGRG1 C-terminal fragment; ADGRG1 CT; GPR56 C-terminal fragment; GPR56 CT; GPR56(C); GPR56 seven-transmembrane subunit; GPR56 7TM; GPR56 subunit beta; anti-ADGRG1 antibody

PRODUCT SPECIFICATIONS

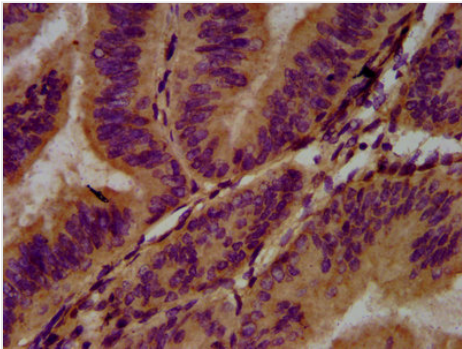
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	687
Applicable Applications for anti-ADGRG1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Adhesion G-protein coupled receptor G1 protein (26-216AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



IHC (Immunohistochemisry)
Immunofluorescence staining of MCF-7 cells with AAA234851 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohiostchemistry)
IHC image of AAA234851 diluted at 1:400 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)
IHC image of AAA234851 diluted at 1:400 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-ADGRG1 antibody	Receptor involved in cell adhesion and probably in cell-cell interactions. Mediates cell matrix adhesion in developing neurons and hematopoietic stem cells. Receptor for collagen III/COL3A1 in the developing brain and involved in regulation of cortical development, specifically in maintenance of the pial basement membrane integrity and in cortical lamination (By similarity). Binding to the COL3A1 ligand inhibits neuronal migration and activates the RhoA pathway by coupling to GNA13 and possibly GNA12 (PubMed:22238662). Plays a role in the maintenance of hematopoietic stem cells and/or leukemia stem cells in bone marrow niche (By similarity). Plays a critical role in cancer progression by inhibiting VEGFA production thereby inhibiting angiogenesis through a signaling pathway mediated by PRKCA (PubMed:16757564, PubMed:21724588). Plays an essential role in testis development (By similarity).
Product Categories/Family for anti-ADGRG1 antibody	Neuroscience; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	224809314
NCBI GeneID	9289
NCBI Accession #	NP_001139242.1

NCBI GenBank Nucleotide #	NM_001145770.2
UniProt Accession #	Q9Y653 ; O95966 ; Q6ZMP1 ; Q8NGB3 ; Q96HB4 ; A6NIT7 ; A6NJV9 ; B0M0K4 ; B4DR54
Molecular Weight	58,042 Da
NCBI Official Full Name	adhesion G-protein coupled receptor G1 isoform b
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor G1
NCBI Official Symbol	ADGRG1
NCBI Official Synonym Symbols	BFPP; BPPR; GPR56; TM7LN4; TM7XN1
NCBI Protein Information	adhesion G-protein coupled receptor G1; G-protein coupled receptor 56
UniProt Protein Name	Adhesion G-protein coupled receptor G1
UniProt Gene Name	ADGRG1
UniProt Synonym Gene Names	ADGRG1 NT; GPR56 NT; GPR56(N); ADGRG1 CT; GPR56 CT; GPR56(C); GPR56 7TM

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://www.aaabiotech.com/polyclonal/adgrg1-antibody-immunofluorescence-immunohistochemistry-elisa/234851>