

Rabbit anti-Mouse CD97 Polyclonal Antibody | anti-ADGRE5 antibody

Anti-CD97 Antibody, Rabbit Polyclonal

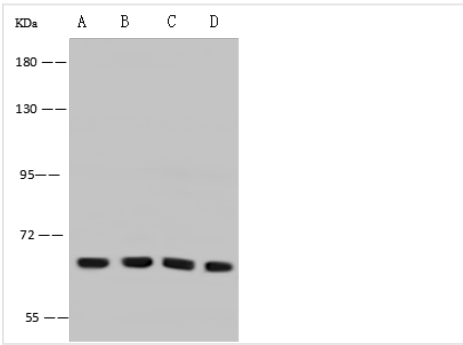
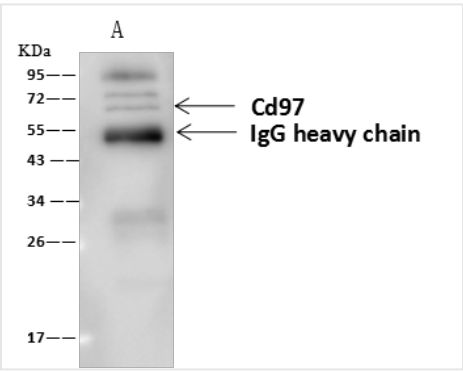
CATALOG # AAA254699	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

CD97; Polyclonal Antibody; Anti-CD97 Antibody; Rabbit Polyclonal; CD97/ADGRE5 Antibody; Rabbit PAb; Antigen Affinity Purified; adhesion G protein-coupled receptor E5; Anti-AA409984 Antibody; Anti-Cd97 Antibody; Anti-TM7LN1 Antibody; anti-ADGRE5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse CD97/ADGRE5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ADGRE5 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Mouse CD97/ADGRE5
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse CD97/ADGRE5, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-Cd97 rabbit polyclonal antibody at 1:500 dilutionLane A: NIH/3T3 Whole Cell LysateLane B: HepG2 Whole Cell LysateLane C: Raw264.7 Whole Cell LysateLane D: Mouse spleen tissue lysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:92 kDa

IP (Immunoprecipitation)
Cd97 was immunoprecipitated using:Lane A:0.5 mg NIH/3T3 Whole Cell Lysate4 uL anti-Cd97 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G.Primary antibody:Anti-Cd97 rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilutionDeveloped using the ECL technique.Performed under reducing conditions.Predicted band size: 92 kDaObserved band size :70 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ADGRE5 antibody	The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 32 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. The CD97 is a receptor predominantly expressed in leukocytes and belongs to a new group of seven-span transmembrane molecules, which is also designed EGF-TM7 family. The family members are characterized by an extended extracellular region with several N-terminal epidermal growth factor-like domains two of which contain a calcium-binding site. Mature CD 97 has two noncovalently associated subunits and is composed of a large extracellular protein (CD97 alpha) and a seven-membrane spanning protein (CD97 beta). CD97 is considered as a defining feature of G protein-coupled receptors. The effects that lymphocytes and erythrocytes adhere to CD97-transfected COS cells suggest that CD97 has the ability to bind cellular ligands. CD97 alpha has three alternatively spliced isoforms that are related to the calcium-binding EGF-like repeats in the microfibril protein fibrillin. Leukocytes strongly positive for CD97 are concentrated at sites of inflammation relative to CD97 expression in normal lymphoid tissues.
References	Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.Gray JX, et al. (1996) CD97 is a processed, seven-transmembrane, heterodimeric receptor associated with inflammation. The journal of Immunology. 157 (12): 5438-47.Hamann J, et al. (1998) Characterization of the CD55 (DAF)-binding site on the seven-span transmembrane receptor CD97.European Journal of Immunology. 28 (5): 1701-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	251823841
NCBI GeneID	26364
NCBI Accession #	NP_001156501.1
NCBI GenBank Nucleotide #	NM_001163029.1
UniProt Accession #	Q9Z0M6; Q923A1; Q9CVI5; Q9JLQ8
Molecular Weight	90,413 Da
NCBI Official Full Name	CD97 antigen isoform 2
NCBI Official Synonym Full Names	CD97 antigen

NCBI Official Symbol	Cd97
NCBI Official Synonym Symbols	TM7LN1; AA409984
NCBI Protein Information	CD97 antigen; EGF-TM7 receptor
UniProt Protein Name	CD97 antigen
UniProt Gene Name	Cd97
UniProt Entry Name	CD97_MOUSE

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/polyclonal/cd97-antibody-immunoprecipitation-western-blot-elisa/254699>