

Rabbit anti-Human CD97 Polyclonal Antibody | anti-CD97 antibody

CD97 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283994	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

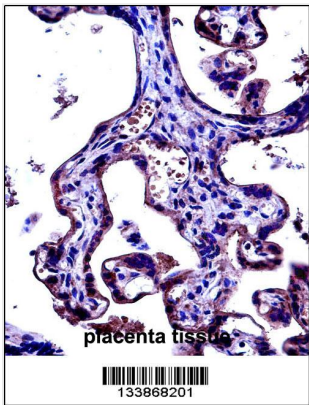
PRODUCT SYNONYMS

CD97; Polyclonal Antibody; CD97 Antibody (C-term); CD97 antigen; Leukocyte antigen CD97; CD97 antigen subunit alpha; CD97 antigen subunit beta; anti-CD97 antibody

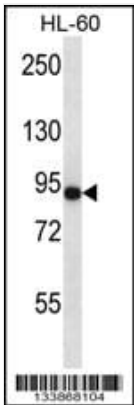
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CD97 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 707-736 amino acids from the C-terminal region of human CD97.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	707-736
Sequence Length	786
Applicable Applications for anti-CD97 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
CD97 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CD97 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CD97 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the CD97 antibody detected the CD97 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CD97 antibody	This gene is a member of the EGF-TM7 family of class II seven-span transmembrane (7-TM) molecules, likely encoded by a gene cluster on the short arm of chromosome 19. The encoded product is a glycoprotein that is present on the surface of most activated leukocytes and spans the membrane seven times, which is a defining feature of G protein-coupled receptors. The protein has an extended extracellular region with several N-terminal epidermal growth factor (EGF)-like domains, which mediate binding to its cellular ligand, decay accelerating factor (DAF, CD55), a regulatory protein of the complement cascade. The presence of structural features characteristic of extracellular matrix proteins and transmembrane proteins suggests that this protein is a receptor involved in both cell adhesion and signaling processes early after leukocyte activation. Alternative splicing has been observed for this gene and three variants have been found.
Product Categories/Family for anti-CD97 antibody	Immunology; Phospho Antibodies
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Liu, D., et al. Int. J. Oncol. 36(6):1401-1408(2010) Han, S.L., et al. Int J Colorectal Dis 25(6):695-702(2010) van Eijk, M., et al. Immunol. Lett. 129(2):64-71(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	68508955
NCBI GeneID	976
NCBI Accession #	NP_001020331.1; NP_001775.2; NP_510966.1
NCBI GenBank Nucleotide #	NM_001025160.2
UniProt Accession #	P48960; O00718; O76101; Q8NG72; Q8TBQ7; A8K7Z4; B2RBJ9
Molecular Weight	91869
NCBI Official Full Name	CD97 antigen isoform 3 preproprotein

NCBI Official Synonym Full Names	adhesion G protein-coupled receptor E5
NCBI Official Symbol	ADGRE5
NCBI Official Synonym Symbols	CD97; TM7LN1
NCBI Protein Information	CD97 antigen
UniProt Protein Name	CD97 antigen
UniProt Gene Name	CD97
UniProt Entry Name	CD97_HUMAN

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/cd97-antibody-immunohistochemistry-western-blot-elisa/283994>