

Rabbit CD97 Polyclonal Antibody | anti-CD97 antibody

Rabbit Polyclonal to Human CD97

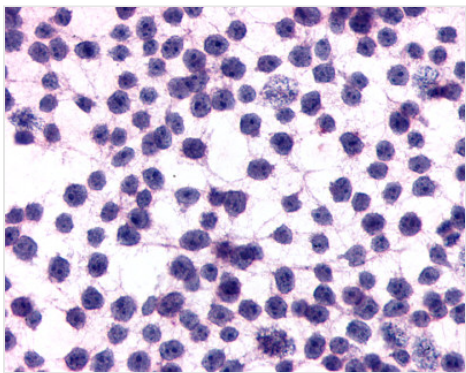
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12339	Rabbit	Human Predicted Reactivity: Monkey (at least 90% immunogen sequence identity)	Immunohistochemistry, Immunocytochemistry

PRODUCT SYNONYMS

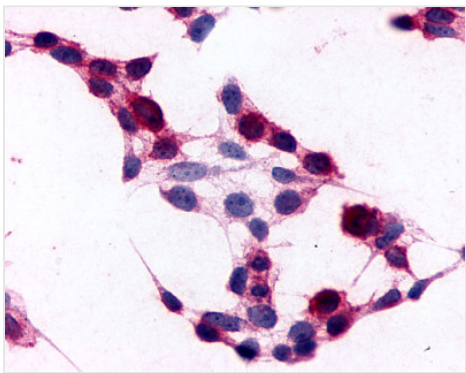
CD97; Polyclonal Antibody; Rabbit Polyclonal to Human CD97; Anti-CD97 Antibody (N-Terminus) IHC-plus; CD97 molecule; Leukocyte antigen CD97; TM7LN1; CD97 antigen; Human CD97; anti-CD97 antibody

PRODUCT SPECIFICATIONS

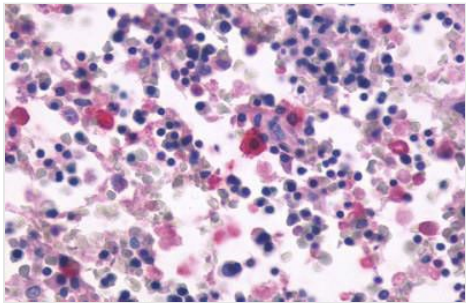
Host	Rabbit
Reactivity	Human Predicted Reactivity: Monkey (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human CD97. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except MAP3K12 (58%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	835
Applicable Applications for anti-CD97 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Application Notes	ICC, IHC-P (5 ug/ml)
Target Species	Human
Immunogen Description	Synthetic 19 amino acid peptide from N-terminal extracellular domain of human CD97. Percent identity with other species by BLAST analysis: Human (100%); Monkey (95%).
Immunogen Type	Synthetic peptide
Immunogen	CD97 antibody was raised against synthetic 19 amino acid peptide from N-terminal extracellular domain of human CD97. Percent identity with other species by BLAST analysis: Human (100%); Monkey (95%).
Antigen Modification	N-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C



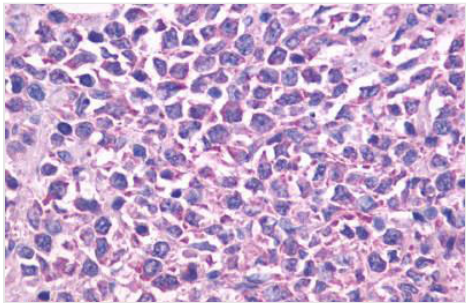
Transfection Control
Anti-CD97 antibody immunocytochemistry (ICC) staining of untransfected HEK293 human embryonic kidney cells.



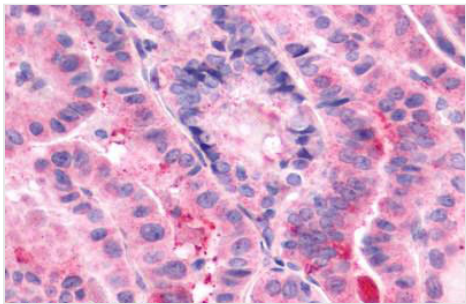
Transfection
Anti-CD97 antibody immunocytochemistry (ICC) staining of HEK293 human embryonic kidney cells transfected with CD97.



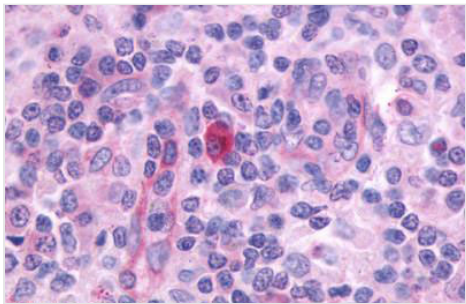
IHC (Immunohistochemistry)
Anti-CD97 antibody IHC of human bone marrow. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-CD97 antibody IHC of human Lymph Node, Non-Hodgkins Lymphoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-CD97 antibody IHC of human Thyroid, Papillary Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-CD97 antibody IHC of human Lymph Node, Hodgkins Lymphoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-CD97 antibody	CD97, a CD55 Receptor, is a leukocyte antigen located on most activated leukocytes. CD97 is highly homologous to EMR2 with five EGF-like domains in the N-terminal extracellular domain, suggesting that it may be involved in cell signaling as well as in cell adhesion (Hamann et al., 1996). Two variants are produced by alternative splicing, where the shorter form lacks exons 5 and 6 and reduces the number of EGF-like domains from 5 to 3, compared to the full-length isoform.
Product Categories/Family for anti-CD97 antibody	Family: GPCR; Subfamily: CD55

NCBI AND UNIPROT INFORMATION

NCBI GI #	17978491
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NCBI GeneID	976
NCBI Accession #	NP_510966.1
NCBI GenBank Nucleotide #	NM_078481.3
UniProt Accession #	P48960; O00718; O76101; Q8NG72; Q8TBQ7; A8K7Z4; B2RBJ9
Molecular Weight	86,628 Da
NCBI Official Full Name	CD97 antigen isoform 1 preproprotein
NCBI Official Synonym Full Names	CD97 molecule
NCBI Official Symbol	CD97
NCBI Official Synonym Symbols	TM7LN1
NCBI Protein Information	CD97 antigen; leukocyte antigen CD97; seven-span transmembrane protein; seven transmembrane helix receptor; seven-transmembrane, heterodimeric receptor associated with inflammation
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-immunocytochemistry-elisa/12339>