

## CD97 polyclonal antibody

Catalog: NCP0237P

Host: Rabbit

Reactivity: Rat, Mouse

### BackGround:

CD97 is a member of the EGF-TM7 (seven-span trans-membrane) protein family, which is characterized by an extended extracellular region with a variable number of N-terminal EGF-like domains coupled to a TM7 stalk. It is expressed by leukocytes following activation. CD97 binds to its cellular ligand CD55 (decay accelerating factor) and protects several cell types from complement-mediated damage. The CD97-CD55 interaction may play a role in cellular activation, migration and adhesion following inflammation. CD97 expression is increased in thyroid cancer, paralleling dedifferentiation and tumor staging in this disease. Many colorectal cell lines are also CD97+, with CD97 levels correlating with migration and invasion in vitro. CD97 is also expressed in various gastric, pancreatic and esophageal carcinomas. CD97 shares significant homology with EMR2, however the two proteins exhibit different expression patterns, as EMR2 is not expressed in any of the aforementioned cancer cells.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

~ 97 kDa

### Swiss-Prot:

P48960

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:2000~1:5000

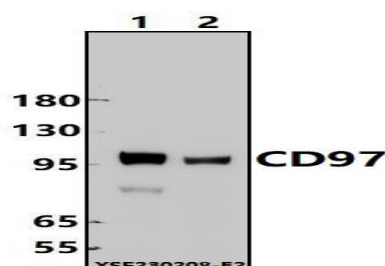
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CD97 polyclonal antibody detects endogenous levels of CD97 protein.

### DATA:



Western blot (WB) analysis of CD97 polyclonal antibody at 1:2000 dilution

Lane1: The Heart tissue lysate of Mouse(30ug)

Lane2: The Heart tissue lysate of Rat(30ug)

### Note:

For research use only, not for use in diagnostic procedure.

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