

# Anti-Nectin-4 Antibody

01/21

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**CATALOG NO.:** A2283-100 (100 µg)
 

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**BACKGROUND DESCRIPTION:** This gene encodes a member of the nectin family. The encoded protein contains two immunoglobulin-like (Ig-like) C2-type domains and one Ig-like V-type domain. It is involved in cell adhesion through trans-homophilic and -heterophilic interactions. It is a single-pass type I membrane protein. The soluble form is produced by proteolytic cleavage at the cell surface by the metalloproteinase ADAM17/TACE. The secreted form is found in both breast tumor cell lines and breast tumor patients. Mutations in this gene are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder. Alternatively spliced transcript variants have been found but the full-length nature of the variant has not been determined.

**ALTERNATE NAMES:** LNIR, PRR4, EDSS1, PVRL4, nectin-4, NECTIN4, Nectin 4

**ANTIBODY TYPE:** Polyclonal

**HOST/ISOTYPE:** Rabbit / IgG

**IMMUNOGEN:** Recombinant Human Nectin-4 protein

**MOLECULAR WEIGHT:** 35 kDa

**PURIFICATION:** Protein G purified

**FORM:** Liquid

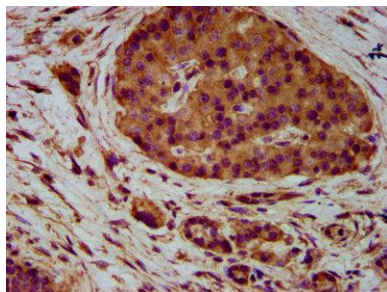
**FORMULATION:** In 0.01 M PBS, pH 7.4, 50% Glycerol, 0.03% proclin 300

**SPECIES REACTIVITY:** Human, Mouse

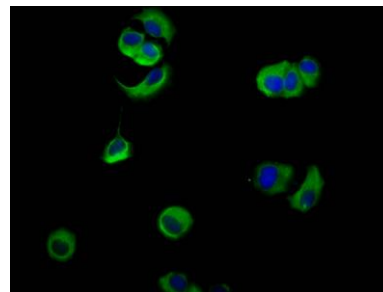
**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze/thaw cycles

**APPLICATIONS AND USAGE:** WB (1:500-1:5000), IHC (1:200-1:500), IF (1:50-1:200)

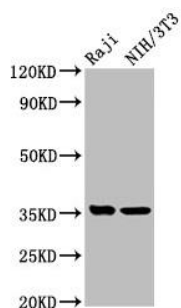
This information is only intended as a guide. The optimal dilutions must be determined by the user



Immunohistochemical analysis of paraffin embedded human pancreatic cancer using Anti-Nectin-4 antibody at 1:400 dilution. Antigen retrieval was performed at high pressure in citrate buffer (pH 6.0). Tissue was blocked with 10% goat serum for 30 min at RT, followed by overnight incubation with primary antibody (1% BSA) at 4°C. Biotinylated secondary antibody was used to detect primary antibody and visualized using HRP conjugated SP system.



Immunofluorescence analysis of MCF-7 cells was performed using Anti-Nectin-4 antibody at a dilution of 1:133. Fixation of the cells was performed using 4% formaldehyde, followed by permeabilization with 0.2% Triton X-100. Cells were blocked in 10% goat serum and incubated overnight with primary antibody at 4°C. Alexa Fluor 488 conjugated Goat Anti-Rabbit IgG (H+L) was used as secondary antibody.



Western blot analysis of Raji and NIH3T3 whole cell lysates was performed using Anti-Nectin-4 antibody. Primary antibody dilution used was 5.9 µg/ml. Goat polyclonal to rabbit IgG was used as secondary antibody at a dilution of 1: 50,000.

**RELATED PRODUCTS:**

Anti-TIGIT, Rabbit IgG, kappa Antibody (A2018)  
Anti-PVRIG Antibody (A2247)  
Anti-Nectin-4 (Enfortumab), Human IgG1 Antibody (A2176)  
Nectin-3/CD113 Antibody (3821)

***FOR RESEARCH USE ONLY! Not to be used on humans.***