



# CD249 Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-14083                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applications       | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Name          | ENPEP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Name       | Glutamyl aminopeptidase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen          | The antiserum was produced against synthesized peptide derived from the Internal region of human ENPEP. AA range:671-720                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity        | CD249 Polyclonal Antibody detects endogenous levels of CD249 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dilution           | WB: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000.. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Synonyms           | ENPEP; Glutamyl aminopeptidase; EAP; Aminopeptidase A; AP-A; Differentiation antigen gp160; CD249                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Observed Band      | 110kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cell Pathway       | Cell membrane ; Single-pass type II membrane protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tissue Specificity | Expressed in choriocarcinoma cancer cell lines (at protein level) (PubMed:10692253). Expressed by epithelial cells of the proximal tubule cells and the glomerulus of the nephron. Also found in a variety of other tissues.                                                                                                                                                                                                                                                                                                                                                    |
| Function           | catalytic activity:Release of N-terminal glutamate (and to a lesser extent aspartate) from a peptide.,cofactor:Binds 1 zinc ion per subunit.,function:Appears to have a role in the catabolic pathway of the renin-angiotensin system. Probably plays a role in regulating growth and differentiation of early B-lineage cells.,similarity:Belongs to the peptidase M1 family.,subunit:Homodimer; disulfide-linked.,tissue specificity:Expressed by epithelial cells of the proximal tubule cells and the glomerulus of the nephron. Also found in a variety of other tissues., |

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## Background

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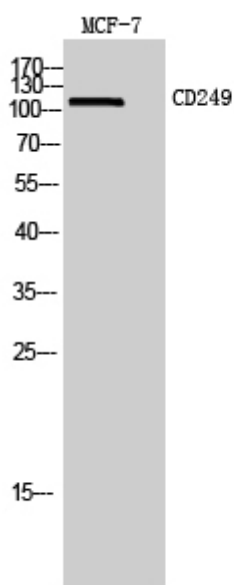
## matters needing attention

Avoid repeated freezing and thawing!

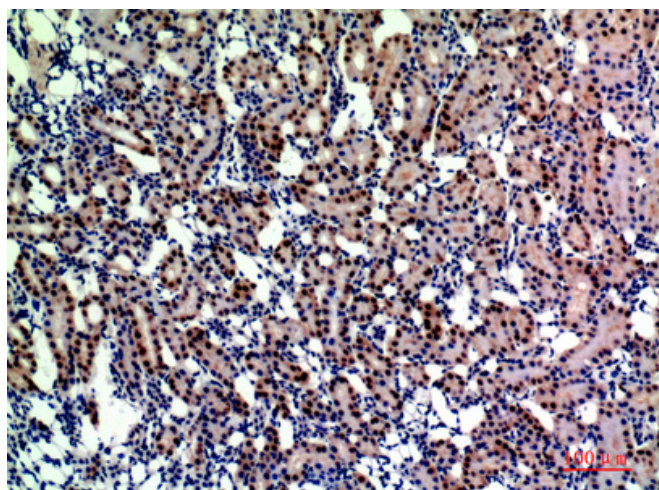
## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of MCF7 cells using CD249 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



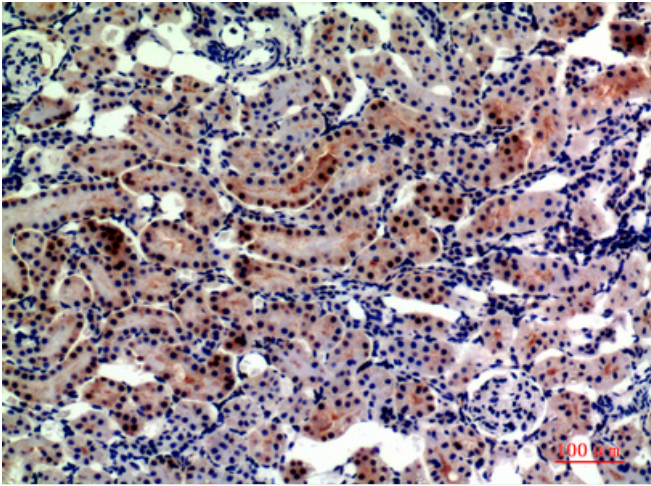
Immunohistochemical analysis of paraffin-embedded rat-kidney, antibody was diluted at 1:200

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Immunohistochemical analysis of paraffin-embedded rat-kidney, antibody was diluted at 1:200