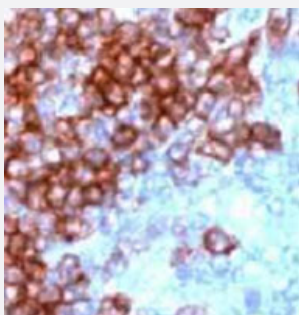


CD247 polyclonal antibody

Catalog # PAB12667 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human tonsil tissue stained with CD247 polyclonal antibody (Cat # PAB12667) at 1 : 100 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by colling at RT for 20 min.

Specification

| | |
|--------------------------------|--|
| Product Description | Rabbit polyclonal antibody raised against synthetic peptide of CD247. |
| Immunogen | A synthetic peptide corresponding to extracellular domain of human CD247. |
| Host | Rabbit |
| Reactivity | Human, Mouse, Rat |
| Specificity | This antibody recognizes CD247. |
| Form | Liquid |
| Quality Control Testing | Antibody Reactive Against Synthetic Peptide. |
| Recommend Usage | Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (2-5 ug/mL) Flow cytometry (10-20 ug per 10 ⁶ cells) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In TBS, pH 7.2 (BSA, 10% Proclin300) |

Storage Instruction

Store at 4°C. For long term storage store at -20°C or lower.

Aliquot to avoid repeated freezing and thawing. Upon initial thawing, apportion into working aliquots and store at -80°C for up to six months.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Gene Info — CD247

Entrez GeneID [919](#)

Gene Name CD247

Gene Alias CD3-ZETA, CD3H, CD3Q, CD3Z, T3Z, TCRZ

Gene Description CD247 molecule

Omim ID [186780 610163](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Designations CD247 antigen, zeta subunit|CD3Z antigen, zeta polypeptide (TiT3 complex)|OTTHUMP00000032544|T-cell antigen receptor complex, zeta subunit of CD3|T-cell receptor T3 zeta chain|T-cell receptor zeta chain|T-cell surface glycoprotein CD3 zeta chain

Pathway

- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Lupus Erythematosus](#)
- [Osteoporosis](#)
- [Scleroderma](#)