

Anti-FDCSP Picoband Antibody

Catalog # ABO10350

#### Specification

### **Anti-FDCSP Picoband Antibody - Product Information**

ApplicationIHC-PPrimary AccessionO8NFU4HostRabbitReactivityHumanClonalityPolyclonalFormatLyophilizedDescriptionRabbit lgG polyclonal antibody for Follicular dendritic cell secreted pe

Rabbit IgG polyclonal antibody for Follicular dendritic cell secreted peptide(FDCSP) detection. Tested with IHC-P in Human.

**Reconstitution** Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

## **Anti-FDCSP Picoband Antibody - Additional Information**

Gene ID 260436

**Other Names** Follicular dendritic cell secreted peptide, FDC secreted protein, FDC-SP, FDCSP, C4orf7

Calculated MW 9700 MW KDa

**Application Details** Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br> <br>

Subcellular Localization Secreted.

**Tissue Specificity** Abundantly expressed in tonsil, lymph node, and trachea; strong expression in prostate; lower expression in thyroid, stomach, and colon. .

**Protein Name** Follicular dendritic cell secreted peptide

Contents Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen A synthetic peptide corresponding to a sequence in the middle region of human FDCSP (18-51aa FPVSQDQEREKRSISDSDELASGFFVFPYPYPFR).

Purification



Immunogen affinity purified.

**Cross Reactivity** No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

## Anti-FDCSP Picoband Antibody - Protein Information

Name FDCSP

Synonyms C4orf7

Function

Can bind to the surface of B-lymphoma cells, but not T- lymphoma cells, consistent with a function as a secreted mediator acting upon B-cells.

Cellular Location Secreted.

**Tissue Location** 

Abundantly expressed in tonsil, lymph node, and trachea; strong expression in prostate; lower expression in thyroid, stomach, and colon.

#### **Anti-FDCSP Picoband Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- <u>Flow Cytomety</u>
- <u>Cell Culture</u>

Anti-FDCSP Picoband Antibody - Images





Figure 1. IHC analysis of FDCSP using anti- FDCSP antibody (ABO10350).FDCSP was detected in paraffin-embedded section of human tonsil tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with  $11\frac{1}{4}$ g/ml rabbit anti-FDCSP Antibody (ABO10350) overnight at  $4A^{\circ}$ C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at  $37A^{\circ}$ C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

# Anti-FDCSP Picoband Antibody - Background

FDC-SP or follicular dendritic cell-secreted protein, is a small, secreted protein, located on chromosome 4 in humans. FDC-SP is a 68-amino acid protein containing a signal peptide at its N terminus, which is used for directing the transport of the protein. This protein specifically binds to activated B cells, and functions as a regulator of antibody responses. It is also thought to contribute to tumor metastases by promoting cancer cell migration and invasion.