

Anti-FDCSP Picoband Antibody

Catalog # ABO10350

Product Information

Application	IHC-P
Primary Accession	Q8NEU4
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	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.

Additional Information

Gene ID	260436
Other Names	Follicular dendritic cell secreted peptide, FDC secreted protein, FDC-SP, FDCSP, C4orf7
Calculated MW	9700
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Subcellular Localization	Secreted.
Tissue Specificity	Abundantly expressed in tonsil, lymph node, and trachea; strong expression in prostate; lower expression in thyroid, stomach, and colon. .
Source	Eukaryota
Protein Name	Follicular dendritic cell secreted peptide
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human FDCSP (18-51aa FPVSQDQEREKRSISDSDELASGFFVPYPYPR).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, 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.

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.

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.

Images

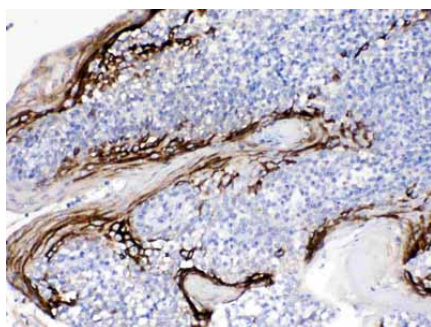


Figure 1. IHC analysis of FDCSP using anti- FDCSP antibody (ABO10350). FDCSP was detected in paraffin-embedded section of human tonsil tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum.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

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