

## Anti-EDC4 Antibody Picoband® APC Conjugated

Catalog Number: A05173-2-APC

### About EDC4

Enhancer of mRNA-decapping protein 4 is a protein that in humans is encoded by the EDC4 gene. Enhancer of mRNA decapping 4 (EDC4) was originally identified as the autoantigen Ge-1 from a Sjgren's syndrome patient later diagnosed with primary biliary cirrhosis. EDC4 (also known as HEDLS) was later identified as an essential component of cytoplasmic P-bodies responsible for mRNA decapping and degradation. Identified EDC4 protein is found as a pair of isoforms generated by alternative splicing and contains several WD domains and a putative nuclear localization signal. EDC4 co-localizes with other P-body decapping proteins such as DCP1A, DCP2 and GW182. Experimental evidence suggests that EDC4 may be involved in miRNA-mediated translation repression.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-EDC4 Antibody Picoband® APC Conjugated  |
| Reactive Species     | Human  |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.   |
| Host                 | Rabbit   |
| Uniprot ID           | Q6P2E9   |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human EDC4 recombinant protein (Position: K1082-L1388).  |
| Cross Reactivity | No cross-reactivity with other proteins.                                |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | APC<br>Excitation Wavelength: 633-647 nm<br>Emission Wavelength: 660 nm |

Suggested Dilutions

Optimal dilutions should be determined by end users.

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Anti-EDC4 Antibody - APC

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