

## Anti-YTHDC2 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A09692-1-Fluoro550

### About YTHDC2

YTH domain containing 2 is a protein that in humans is encoded by the YTHDC2 gene. This gene encodes a member of the DEAH (Asp-Glu-Ala-His) subfamily of proteins, part of the DEAD (Asp-Glu-Ala-Asp) box family of RNA helicases. The encoded protein binds to N<sup>6</sup>-methyladenosine, a common modified RNA nucleotide that is enriched in the stop codons and 3' UTRs of eukaryotic messenger RNAs. Binding of proteins to this modified nucleotide may regulate mRNA translation and stability. This gene may be associated with susceptibility to pancreatic cancer in human patients, and knockdown of this gene resulted in reduced proliferation in a human liver cancer cell line.

### Overview

Product Name	Anti-YTHDC2 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human, Mouse, Rat
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	Q9H6S0

### Technical Details

Immunogen	E.coli-derived human YTHDC2 recombinant protein (Position: K105-K1231).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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