

## Anti-NUB1 Antibody Picoband® Cy3 Conjugated

Catalog Number: A06089-2-Cy3

### About NUB1

NEDD8 ultimate buster 1 is a protein that in humans is encoded by the NUB1 gene. This gene encodes a protein that functions as a negative regulator of NEDD8, a ubiquitin-like protein that conjugates with cullin family members in order to regulate vital biological events. The protein encoded by this gene regulates the NEDD8 conjugation system post-transcriptionally by recruiting NEDD8 and its conjugates to the proteasome for degradation. This protein interacts with the product of the AIPL1 gene, which is associated with Leber congenital amaurosis, an inherited retinopathy, and mutations in that gene can abolish interaction with this protein, which may contribute to the pathogenesis. This protein is also known to accumulate in Lewy bodies in Parkinson's disease and dementia with Lewy bodies, and in glial cytoplasmic inclusions in multiple system atrophy, with this abnormal accumulation being specific to alpha-synucleinopathy lesions. Alternative splicing of this gene results in multiple transcript variants.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-NUB1 Antibody Picoband® Cy3 Conjugated   |
| Reactive Species     | Human, Monkey, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, 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           | Q9Y5A7  |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | E.coli-derived human NUB1 recombinant protein (Position: K190-D543). |
| Cross Reactivity | No cross-reactivity with other proteins.                             |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | Cy3  |

|                     |  |
|---------------------|--|
|                     | Excitation Wavelength: 554 nm<br>Emission Wavelength: 568 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users.         |

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Anti-NUB1 Antibody - Cy3

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