

## Anti-Smad Interacting Protein 1/ZEB2 Antibody Picoband® APC Conjugated

Catalog Number: PB9236-APC

### About ZEB2

ZEB2 (Zinc finger E-box-binding homeobox2), also known as SIP1 or ZINC FINGER HOMEBOX 1B (ZFH1B), is a protein that in humans is encoded by the ZEB2 gene. The ZEB2 gene is a member of the ZEB1/Drosophila Zfh1 family of 2-handed zinc finger/homeodomain proteins and functions as a DNA-binding transcriptional repressor that interacts with activated SMADs, the transducers of TGF-beta signaling, and interacts with the nucleosome remodeling and histone deacetylation (NURD) complex. By radiation hybrid analysis, this gene is mapped to 2q22. It has been found that synthesis of ZEB2 was upregulated following SNAI1 expression in human cell lines, and the expression of SNAI1 in epithelial cells can trigger an epithelial-mesenchyme transition.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Smad Interacting Protein 1/ZEB2 Antibody Picoband® APC Conjugated  |
| Reactive Species     | Human   |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IHC, IHC-F, 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% Na <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           | O60315  |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human ZEB2 recombinant protein (Position: M1-P200). Human ZEB2 shares 92% amino acid (aa) sequence identity with mouse ZEB2. |
| Cross Reactivity | No cross-reactivity with other proteins   |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | APC   |

|                     |  |
|---------------------|--|
|                     | Excitation Wavelength: 633-647 nm<br>Emission Wavelength: 660 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users.             |

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