

## Basic Information

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| Product Name       | Anti-ZEB1 Antibody                                                                                           |
| Gene Name          | ZEB1                                                                                                         |
| Source             | Rabbit                                                                                                       |
| Isotype            | IgG                                                                                                          |
| Species Reactivity | human                                                                                                        |
| Tested Application | WB                                                                                                           |
| Contents           | 500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Immunogen          | A synthesized peptide derived from human AREB6                                                               |
| concentration      | 500 ug/ml                                                                                                    |
| Purification       | Affinity-chromatography                                                                                      |
| Observed MW        | 200KD                                                                                                        |
| Dilution Ratios    | Western blot (WB):1:400-800                                                                                  |

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

ZEB1 (Zinc Finger E Box-Binding Homeobox 1), also called TCF8, NIL2A or DELTA-EF1, is a protein that in humans is encoded by the ZEB1 gene. Fluorescence in situ hybridization localized the ZEB1 gene to chromosome 10p11.2. Krafchak et al. (2005) demonstrated a complex (core plus secondary) binding site for TCF8 in the promoter of the COL4A3 gene, mutant in Alport syndrome and which encodes collagen type IV alpha-3. They detected expression of TCF8 in cornea. Nishimura et al. (2006) found that delta-Ef1 was upregulated during differentiation in a mouse smooth muscle cell (SMC) line.

## Selected Validation Data

Western blot analysis of AREB6 expression in HEK293 cell lysate.

