

## AREB6 (PT0216R) PT® Rabbit mAb

<b>Catalog No :</b>	YM8138
<b>Reactivity :</b>	Human;Rat;
<b>Applications :</b>	WB;IHC;IF;IP;ELISA
<b>Target :</b>	ZEB1
<b>Fields :</b>	>>Transcriptional misregulation in cancer;>>MicroRNAs in cancer;>>Prostate cancer
<b>Gene Name :</b>	ZEB1 AREB6 TCF8
<b>Protein Name :</b>	Zinc finger E-box-binding homeobox 1 (NIL-2-A zinc finger protein) (Negative regulator of IL2) (Transcription factor 8) (TCF-8)
<b>Human Gene Id :</b>	6935
<b>Human Swiss Prot No :</b>	P37275
<b>Mouse Swiss Prot No :</b>	Q64318
<b>Rat Swiss Prot No :</b>	Q62947
<b>Specificity :</b>	endogenous
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, rabbit, IgG, Kappa
<b>Dilution :</b>	IHC 1:200-1:500,WB 1:1000-1:5000,IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200,
<b>Purification :</b>	Protein A
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	124kD

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**Observed Band :** 200kD

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**Background :** This gene encodes a zinc finger transcription factor. The encoded protein likely plays a role in transcriptional repression of interleukin 2. Mutations in this gene have been associated with posterior polymorphous corneal dystrophy-3 and late-onset Fuchs endothelial corneal dystrophy. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Mar 2010],

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**Function :** disease:Defects in ZEB1 are the cause of posterior polymorphous corneal dystrophy type 3 (PPCD3) [MIM:609141]. Posterior polymorphous corneal dystrophy (PPCD) is a rare disease involving metaplasia and overgrowth of corneal endothelial cells. In patients with PPCD, these cells manifest in an epithelial morphology and gene expression pattern, produce an aberrant basement membrane, and, sometimes, spread over the iris and nearby structures in a way that increases the risk for glaucoma.,function:Inhibits interleukin-2 (IL-2) gene expression. May be responsible for transcriptional repression of the IL-2 gene. Enhances or represses the promoter activity of the ATP1A1 gene depending on the quantity of cDNA and on the cell type.,similarity:Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 7 C2H2-type zinc fingers.

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**Subcellular** Nucleus

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**Location :****Expression :** Colocalizes with SMARCA4/BRG1 in E-cadherin-negative cells from established lines, and stroma of normal colon as well as in de-differentiated epithelial cells at the invasion front of colorectal carcinomas (at protein level). Expressed in heart and skeletal muscle, but not in liver, spleen, or pancreas.

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**Tag :** hot,recombinant

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**Sort :** 499

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**No4 :** 1

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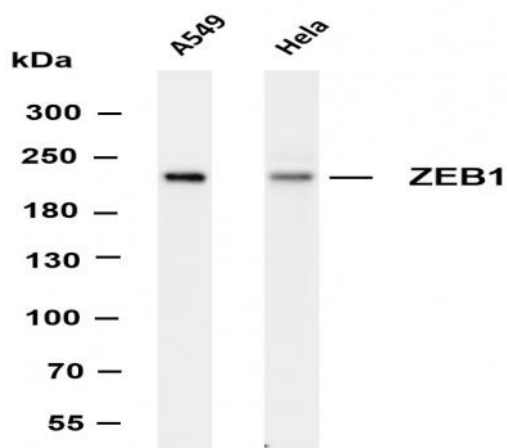
**Host :** Rabbit

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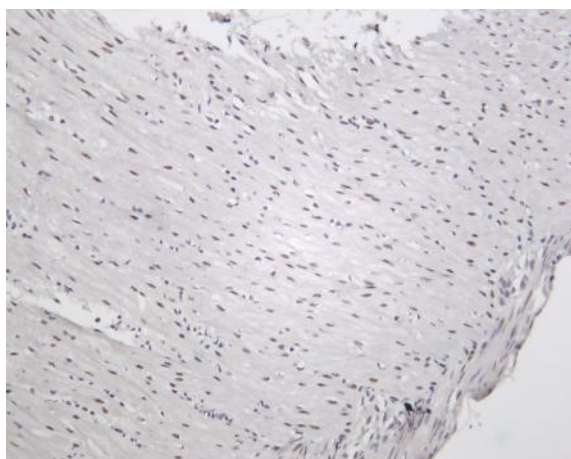
**Modifications :** Unmodified

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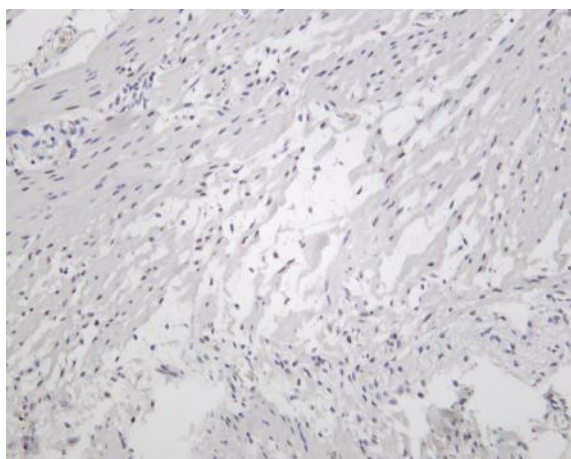
## Products Images



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-ZEB1 (PT0216R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A459 Lane 2: HeLa Predicted band size: 124kDa Observed band size: 200kDa



Rat colon was stained with Anti-ZEB1 (PT0216R) rabbit antibody



Human colon was stained with Anti-ZEB1 (PT0216R) rabbit antibody