



## Rabbit Anti-ZEB1/NIL2A antibody

SL4187R

<b>Product Name:</b>	ZEB1/NIL2A
<b>Chinese Name:</b>	负调控因子白细胞介素2抗体
<b>Alias:</b>	AREB 6; AREB6; BZP; Delta crystallin enhancer binding factor 1; DELTA EF1; FECD6; MGC133261; Negative regulator of IL 2; Negative regulator of IL2; NIL 2 A; NIL 2 A zinc finger protein; NIL 2A; NIL-2-A zinc finger protein; NIL2A; Posterior polymorphous corneal dystrophy 3; PPCD3; Represses interleukin 2 expression; TCF 8; TCF-8; TCF8; Transcription factor 8 (represses interleukin 2 expression); Transcription factor 8; ZEB 1; ZEB;ZEB1_HUMAN; ZFHEP; ZFHX 1A; ZFHX1A; Zinc finger E box binding homeobox 1; Zinc finger E-box-binding homeobox 1; Zinc finger homeodomain enhancer binding protein.
<b>文献引用</b> PubMed :	<p><b>Specific References(2)</b> SL4187R has been referenced in 2 publications.</p> <p><b>[IF=3.48]</b>Sasaki, Takamitsu, et al. "Significance of epithelial growth factor in the epithelial?Cmesenchymal transition of human gallbladder cancer cells."Cancer Science (2012).0WB;Human.  <a href="#">PubMed:22404757</a></p> <p><b>[IF=2.06]</b>Xiang, Shuai, et al. "ZEB1 Expression Is Correlated With Tumor Metastasis and Reduced Prognosis of Breast Carcinoma in Asian Patients." Cancer Investigation (2015).other;  <a href="#">PubMed:25950745</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800Flow-Cyt=1μg/Test (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.

<b>Molecular weight:</b>	124kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ZEB1:211-320/1124
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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]</p> <p><b>Function:</b> Acts as a transcriptional repressor. Inhibits interleukin-2 (IL-2) gene expression. Enhances or represses the promoter activity of the ATP1A1 gene depending on the quantity of cDNA and on the cell type. Represses E-cadherin promoter and induces an epithelial-mesenchymal transition (EMT) by recruiting SMARCA4/BRG1. Represses BCL6 transcription in the presence of the corepressor CTBP1. Positively regulates neuronal differentiation. Represses RCOR1 transcription activation during neurogenesis. Represses transcription by binding to the E box (5'-CANNTG-3'). Promotes tumorigenicity by repressing stemness-inhibiting microRNAs.</p> <p><b>Subunit:</b> Interacts (via N-terminus) with SMARCA4/BRG1.</p> <p><b>Subcellular Location:</b> Nucleus.</p> <p><b>Tissue Specificity:</b> 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.</p> <p><b>DISEASE:</b> Corneal dystrophy, posterior polymorphous, 3 (PPCD3) [MIM:609141]: A subtype of posterior corneal dystrophy, a disease characterized by alterations of Descemet membrane presenting as vesicles, opacities or band-like lesions on slit-lamp examination and specular microscopy. Affected patient typically are asymptomatic. Note=The</p>

disease is caused by mutations affecting the gene represented in this entry.  
Corneal dystrophy, Fuchs endothelial, 6 (FECD6) [MIM:613270]: A corneal disease caused by loss of endothelium of the central cornea. It is characterized by focal wart-like guttata that arise from Descemet membrane and develop in the central cornea, epithelial blisters, reduced vision and pain. Descemet membrane is thickened by abnormal collagenous deposition. Note=The disease is caused by mutations affecting the gene represented in this entry.

**Similarity:**

Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family.

Contains 7 C2H2-type zinc fingers.

Contains 1 homeobox DNA-binding domain.

**SWISS:**

P37275

**Gene ID:**

6935

**Database links:**

[Entrez Gene: 396029](#)Chicken

[Entrez Gene: 535183](#)Cow

[Entrez Gene: 6935](#)Human

[Entrez Gene: 21417](#)Mouse

[Entrez Gene: 25705](#)Rat

[Omim: 189909](#)Human

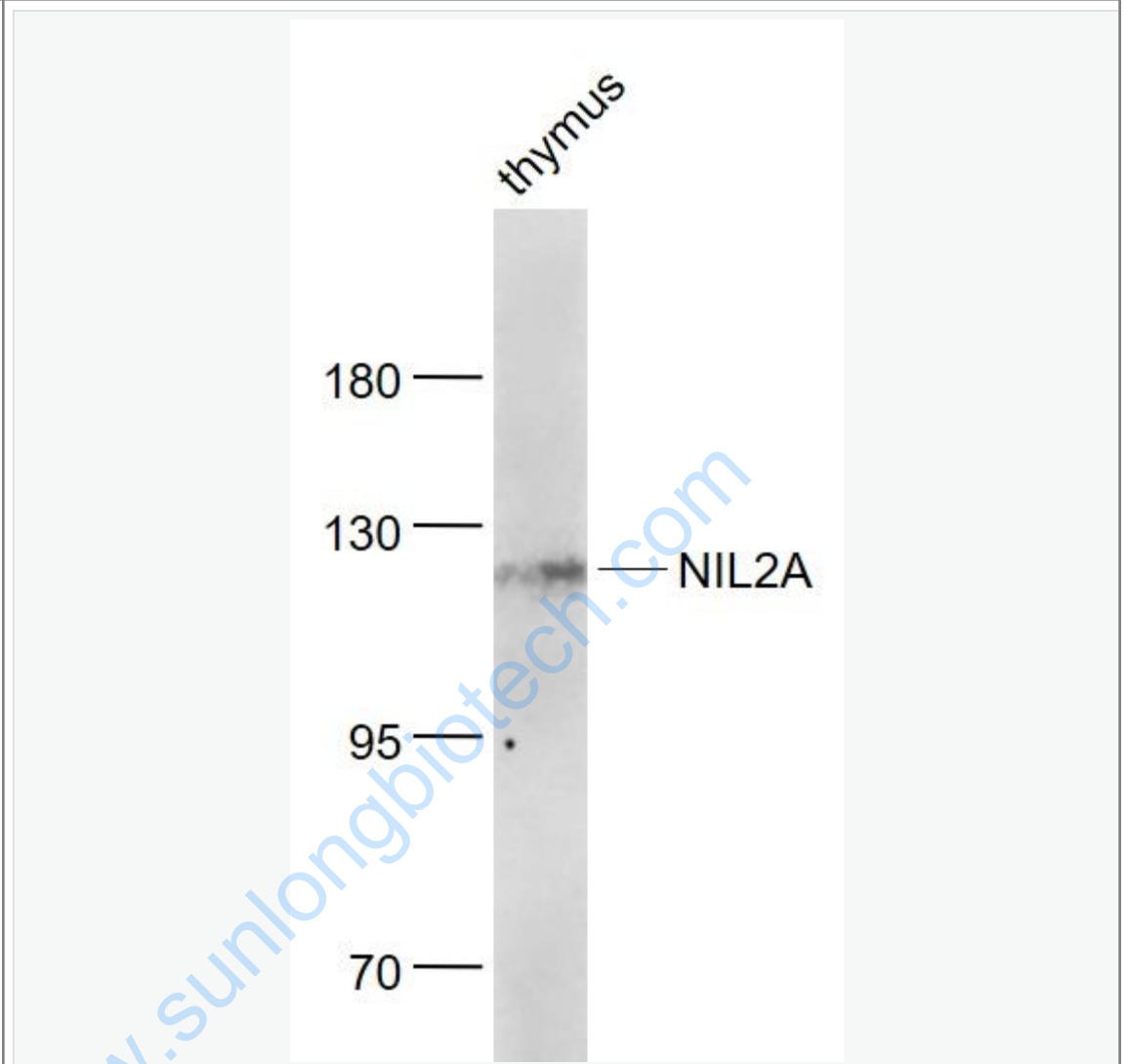
[SwissProt: P36197](#)Chicken

[SwissProt: P37275](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

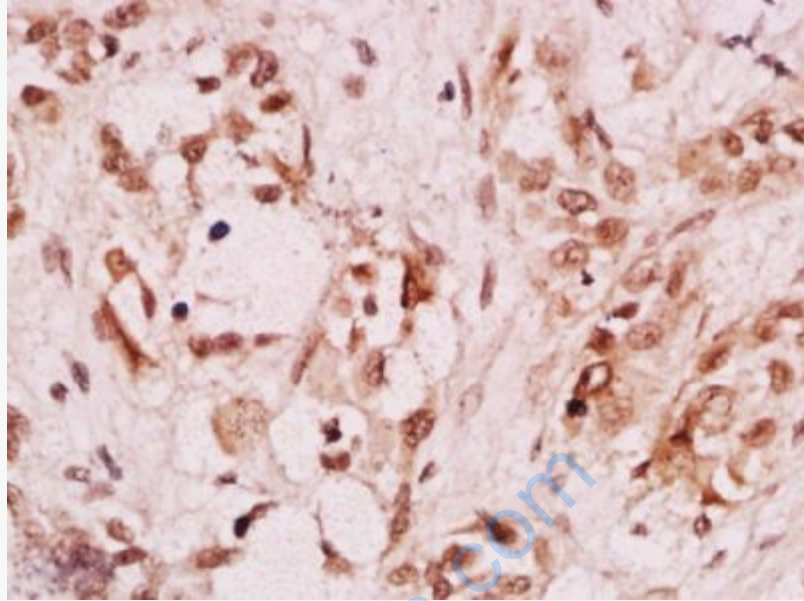
Thymus (Mouse) Lysate at 40 ug

Primary: Anti- ZEB1/NIL2A (SL4187R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

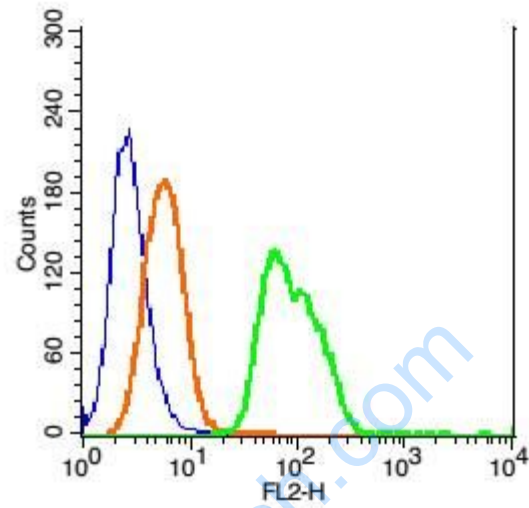
Predicted band size: 124 kD

Observed band size: 124 kD



Paraformaldehyde-fixed, paraffin embedded (Human breast cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZEB1) Polyclonal Antibody, Unconjugated (SL4187R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

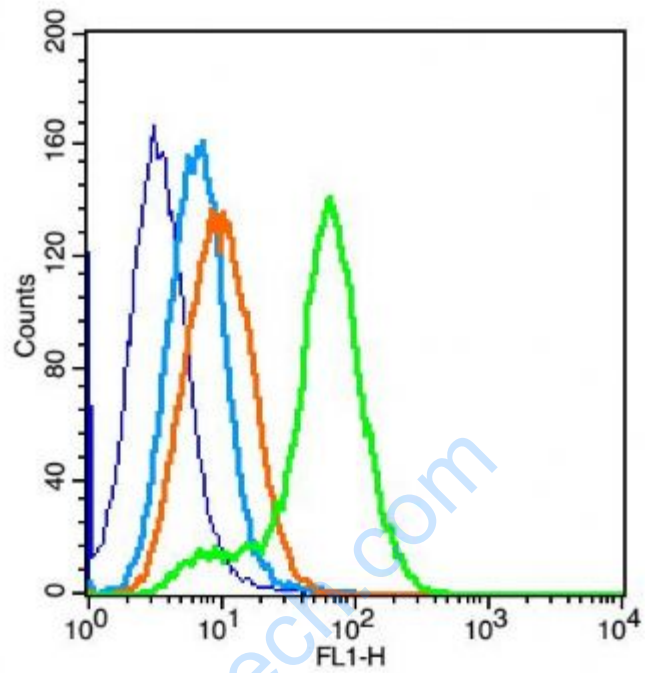
concentration: 5 ug



Key	Name	Parameter	Gate
—	H9C2-blank.042	FL2-H	G1
—	bs-0295P-PE-H9C2-5.049	FL2-H	G1
—	bs-4187R-PE-H9C2-5.051	FL2-H	G1

Blank control: H9C2 cells

Isotype Control Antibody: Rabbit IgG-PE ; Primary Antibody Dilution: 5μl in 100 μL 1X PBS containing 0.5% BSA.



Key	Name	Parameter
—	H9C2-blank.039	FL1-H
—	bs-0295G-FITC(CST)-H9C2-1.040	FL1-H
—	bs-0295P-(FITC)-H9C2-1.041	FL1-H
—	bs-4187R-(FITC)-H9C2-1.042	FL1-H

Positive control: (mo)H9C2(2% Paraformaldehyde-fixed )

Isotype Control Antibody: Rabbit IgG; Dilution: 1 $\mu$ g in 100  $\mu$ l 1 X PBS containing 0.5% BSA

Secondary Antibody: Goat anti-rabbit IgG-FITC; Dilution: 1:200 in 1 X PBS containing 0.5% BSA

Primary Antibody catalog number: bs-4187R; Dilution: 1 $\mu$ g in 100  $\mu$ l 1X PBS containing 0.5% BSA