




## Rabbit Anti-Pokemon/ZBTB7A antibody

SL0891R

<b>Product Name:</b>	Pokemon/ZBTB7A
<b>Chinese Name:</b>	扑克蒙蛋白抗体
<b>Alias:</b>	Factor binding IST protein 1; Factor that binds to inducer of short transcripts protein 1; FBI-1; FBI1; HIV-1 1st-binding protein 1; Leukemia/lymphoma related factor; LRF; Pokemon; TIP21; TTF-I interacting peptide 21; ZBTB7; ZBTB7A; Zinc finger and BTB domain-containing protein 7A; ZBT7A HUMAN.
<b>文献引用</b> 	<b>Specific References(1)</b>  SL0891R has been referenced in 1 publications. <b>[IF=2.06]</b> Zhao, Yi, et al. "Pokemon enhances proliferation, cell cycle progression and anti-apoptosis activity of colorectal cancer independently of p14ARF–MDM2–p53 pathway." Medical Oncology 31.12 (2014): 1-8. <b>IHC-P;Human.</b> <a href="#">PubMed:25367850</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (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>	63kDa
<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 Pokemon:151-250/569
<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>Pokemon, the POK erythroid myeloid ontogenic factor, not only regulates the expression of many genes, but also plays an important role in cell tumorigenesis. To investigate the molecular mechanism regulating expression of the Pokemon gene in humans, its 5'-upstream region was cloned and analyzed. Transient analysis revealed that the Pokemon promoter is constitutive. Deletion analysis and a DNA decoy assay indicated that the NEG-U and NEG-D elements were involved in negative regulation of the Pokemon promoter, whereas the POS-D element was mainly responsible for its strong activity. Electrophoretic mobility shift assays suggested that the NEG-U, NEG-D and POS-D elements were specifically bound by the nuclear extract from A549 cells in vitro. Mutation analysis demonstrated that cooperation of the NEG-U and NEG-D elements led to negative regulation of the Pokemon promoter. Moreover, the NEG-U and NEG-D elements needed to be an appropriate distance apart in the Pokemon promoter in order to cooperate. Taken together, our results elucidate the mechanism underlying the regulation of Pokemon gene transcription, and also define a novel regulatory sequence that may be used to decrease expression of the Pokemon gene in cancer gene therapy.</p> <p><b>Function:</b> Plays a key role in the instruction of early lymphoid progenitors to develop into B lineage by repressing T-cell instructive Notch signals (By similarity). Specifically represses the transcription of the CDKN2A gene. Efficiently abrogates E2F1-dependent CDKN2A transactivation/de-repression. Binds to the consensus sequence 5'-[GA][CA]GACCCCCCCC-3'.</p> <p><b>Subunit:</b> Interacts with BCL6.</p> <p><b>Subcellular Location:</b> Nucleus.</p> <p><b>Tissue Specificity:</b> Widely expressed. In normal thymus, expressed in medullary epithelial cells and Hassle's corpuscles (at protein level). In tonsil, expressed in squamous epithelium and germinal center lymphocytes (at protein level). Up-regulated in a subset of lymphomas, as well as in a subset of breast, lung, colon, prostate and bladder carcinomas (at protein level).</p> <p><b>Similarity:</b> Contains 1 BTB (POZ) domain. Contains 4 C2H2-type zinc fingers.</p> <p><b>SWISS:</b> O95365</p>

**Gene ID:**  
51341

**Database links:**

[Entrez Gene: 51341](#)Human

[Entrez Gene: 16969](#)Mouse

[Omim: 605878](#)Human

[SwissProt: O95365](#)Human

[SwissProt: O88939](#)Mouse

[Unigene: 591384](#)Human

[Unigene: 20920](#)Mouse

**Important Note:**

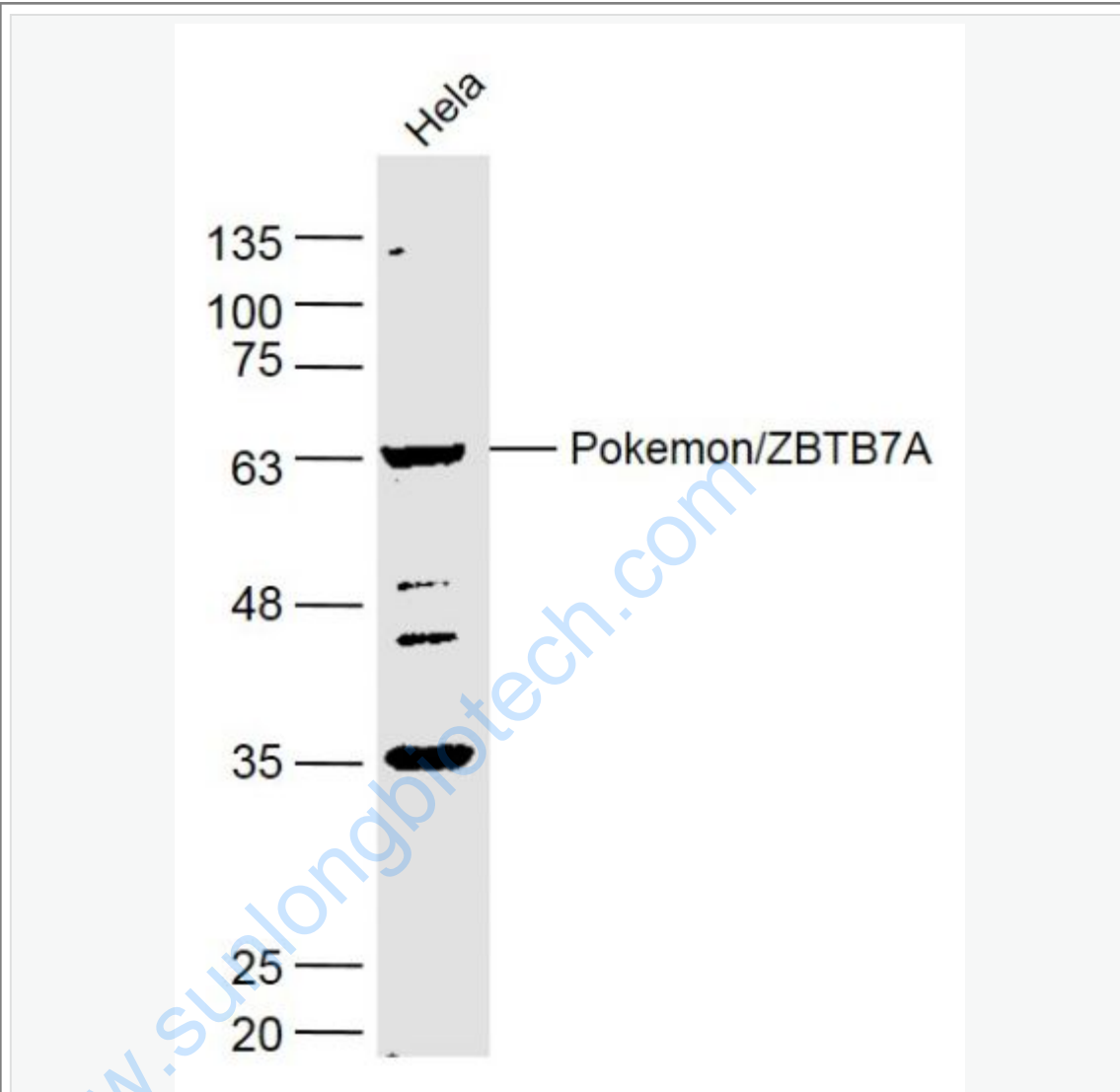
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Pokemon(7APOK Erythroid Myeloid Ontogenic factor)能够控制将正常细胞变成癌细胞所需的途径,Pokemon蛋白是转录因子蛋白家族的一员,并且在人类癌症中发生了突变。另外Pokemon蛋白作为转录因子参与一些细胞基因转录的调节,并在Cell differentiation过程中发挥着关键、多效性的功能。近来发现,Pokemon在致癌转化过程中发挥着至关重要的功能,并与Tumour的发生密切相关。这种蛋白很可能在实质Tumour中处于重要地位,还有学者认为:Pokemon在一定类型的B细胞和T细胞淋巴瘤中水平非常高,并发现具有高水平Pokemon蛋白表达对Tumour恶性程度改变更大。

主要定位于The nucleus。

扑克蒙”蛋白又称“波克曼”蛋白。

Picture:



Sample:

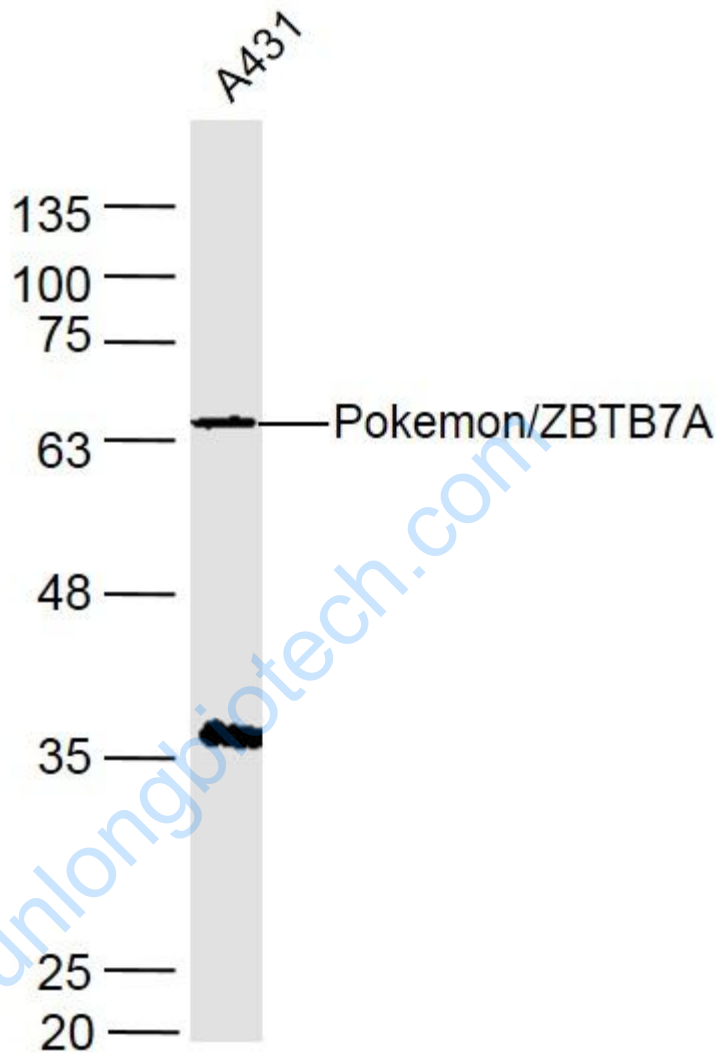
Hela(Human) Cell Lysate at 30 ug

Primary: Anti-Pokemon/ZBTB7A (SL0891R) at 1/300 dilution

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

Predicted band size: 63 kD

Observed band size: 63 kD



Sample:

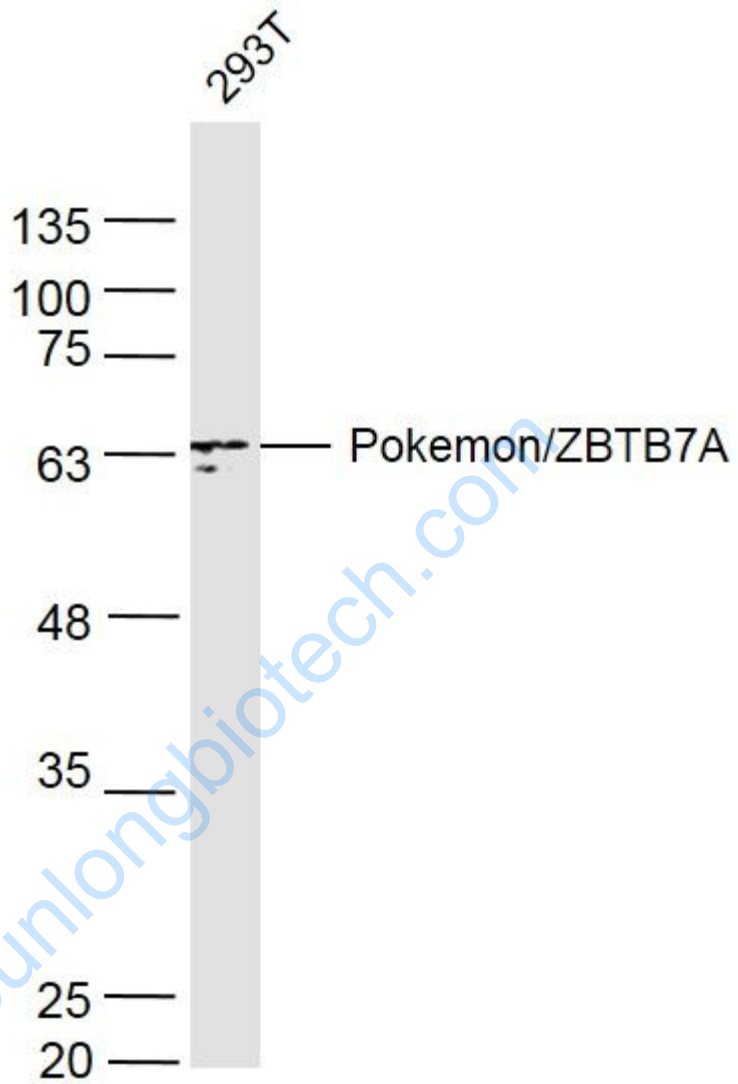
A431(Human) Cell Lysate at 30 ug

Primary: Anti-Pokemon/ZBTB7A (SL0891R) at 1/300 dilution

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

Predicted band size: 63 kD

Observed band size: 63 kD



Sample:

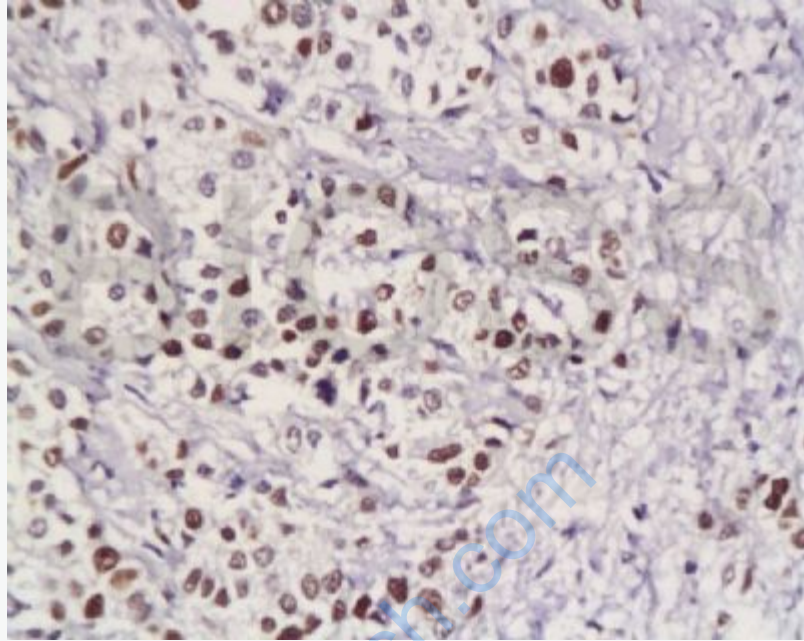
293T(Human) Cell Lysate at 30 ug

Primary: Anti-Pokemon/ZBTB7A (SL0891R) at 1/300 dilution

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

Predicted band size: 63 kD

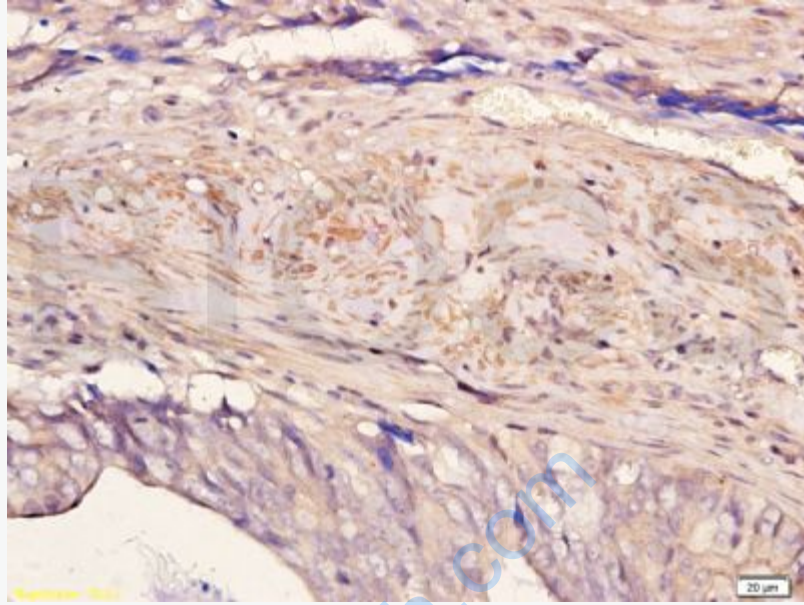
Observed band size: 63 kD



Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Pokemon Polyclonal Antibody, Unconjugated(SL0891R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Pokemon Polyclonal Antibody, Unconjugated(SL0891R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining