



TH-POK Monoclonal Antibody

Catalog No	BYab-01028
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	ZBTB7B
Protein Name	Zinc finger and BTB domain-containing protein 7B
Immunogen	Purified recombinant fragment of human TH-POK expressed in E. Coli.
Specificity	TH-POK Monoclonal Antibody detects endogenous levels of TH-POK protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ZBTB7B; ZBTB15; ZFP67; ZNF857B; Zinc finger and BTB domain-containing protein 7B; Krueppel-related zinc finger protein cKrox; hcKrox; T-helper-inducing POZ/Krueppel-like factor; Zinc finger and BTB domain-containing protein 15; Zinc finger
Observed Band	
Cell Pathway	Nucleus .
Tissue Specificity	Salivary gland,Skin fibroblast,Uterus,
Function	function:Transcription regulator that acts as a key regulator of lineage commitment of immature T-cell precursors. Necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. Development of immature T-cell precursors (thymocytes) to either the CD4 helper or CD8 killer T-cell lineages correlates precisely with their T-cell receptor specificity for major histocompatibility complex class II or class I molecules, respectively. Transcriptional repressor of the collagen COL1A1 and COL1A2 genes. May also function as a repressor of fibronectin and possibly other

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extracellular matrix genes.,similarity:Contains 1 BTB (POZ)
domain.,similarity:Contains 4 C2H2-type zinc fingers.,

Background

This gene encodes a zinc finger-containing transcription factor that acts as a key regulator of lineage commitment of immature T-cell precursors. It is necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. It also functions as a transcriptional repressor of type I collagen genes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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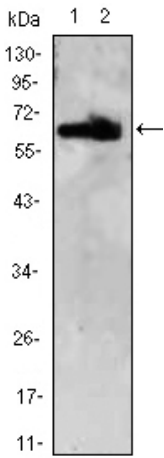
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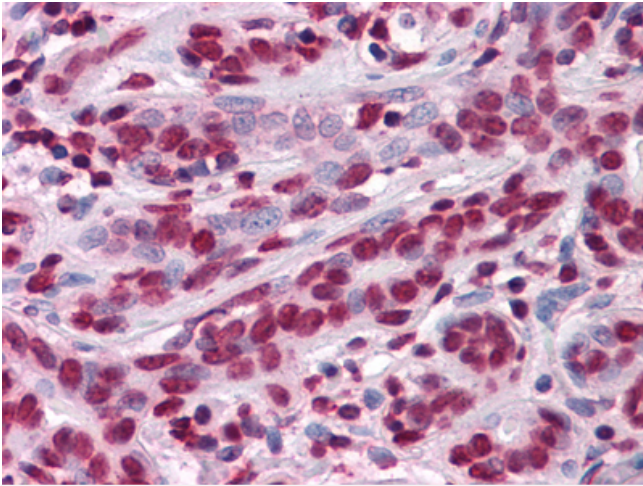
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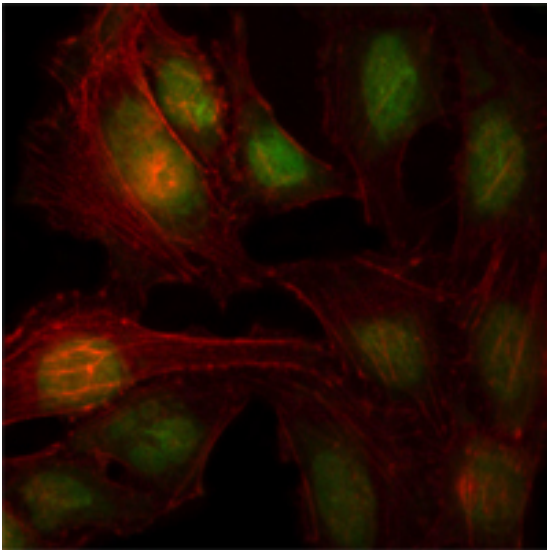
Products Images



Western Blot analysis using TH-POK Monoclonal Antibody against HEK293 (1,2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human Breast tissues with AEC staining using TH-POK Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using TH-POK Monoclonal Antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin

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