Best Tools for immunology Research

TH-POK Monoclonal Antibody

Catalog No :	YM0619
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	TH-POK
Gene Name :	ZBTB7B
Protein Name :	Zinc finger and BTB domain-containing protein 7B
Human Gene Id :	51043
Human Swiss Prot No :	O15156
Mouse Swiss Prot No :	Q64321
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 :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	58kD
P References :	1.Proc Natl Acad Sci U S A. 1994 Sep 27;91(20):9372-6. 2.J Biol Chem. 2000 Sep 1;275(35):27421-38. 3.J Cell Biochem. 2009 Aug 15;107(6):1037-45. Review.

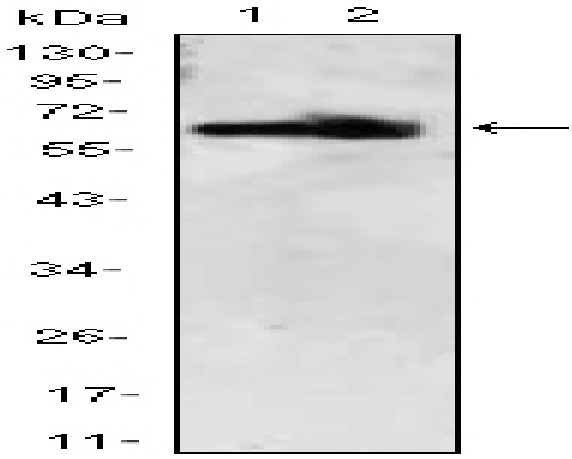
Background : This gene encodes a zinc finger-containing transcription factor that acts as a key regulator of lineage commitment of immature T-cell precursors. It is necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. It also functions as a transcriptional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

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

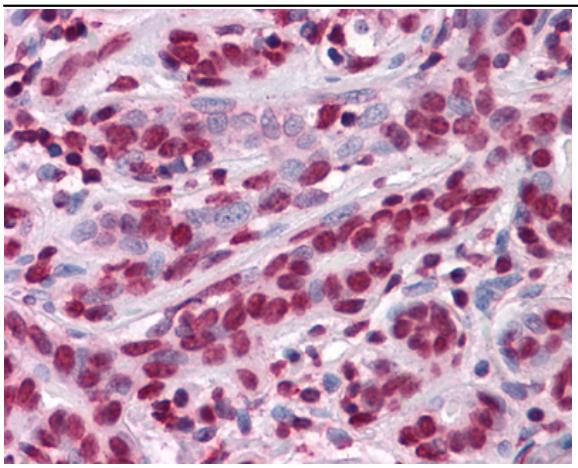
Subcellular Location : Nucleus .

Expression : Salivary gland,Skin fibroblast,Uterus,

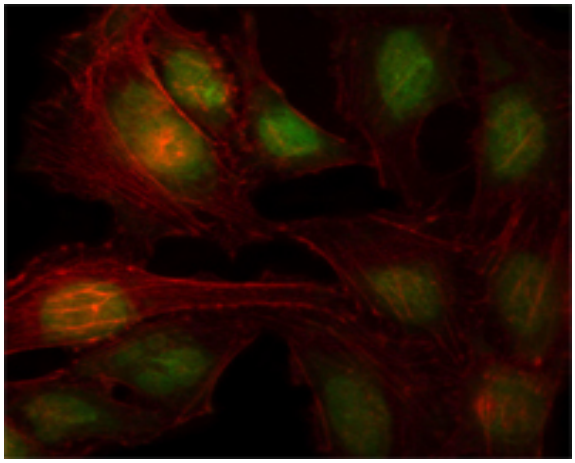
Products Images



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