

## TH-POK Monoclonal Antibody

<b>Catalog No :</b>	YM0619
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	TH-POK
<b>Gene Name :</b>	ZBTB7B
<b>Protein Name :</b>	Zinc finger and BTB domain-containing protein 7B
<b>Human Gene Id :</b>	51043
<b>Human Swiss Prot No :</b>	O15156
<b>Mouse Swiss Prot No :</b>	Q64321
<b>Immunogen :</b>	Purified recombinant fragment of human TH-POK expressed in E. Coli.
<b>Specificity :</b>	TH-POK Monoclonal Antibody detects endogenous levels of TH-POK protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	58kD
<b>P References :</b>	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,

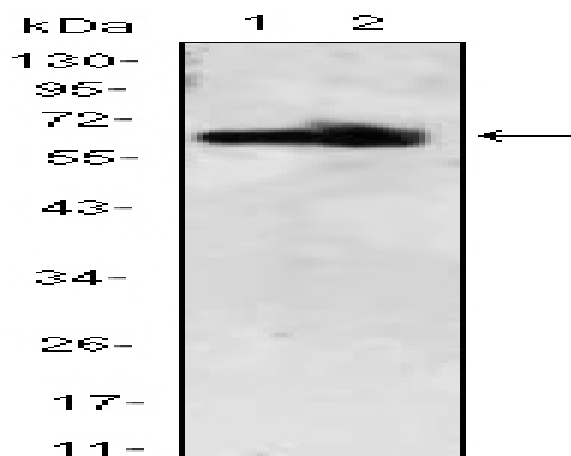
**Sort :** 17106

**No4 :** 1

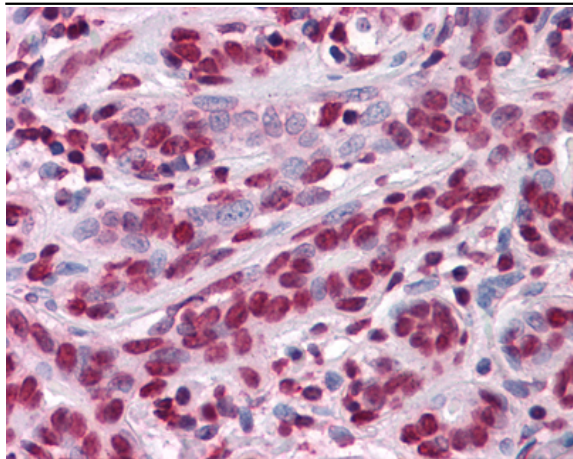
**Host :** Mouse

**Modifications :** Unmodified

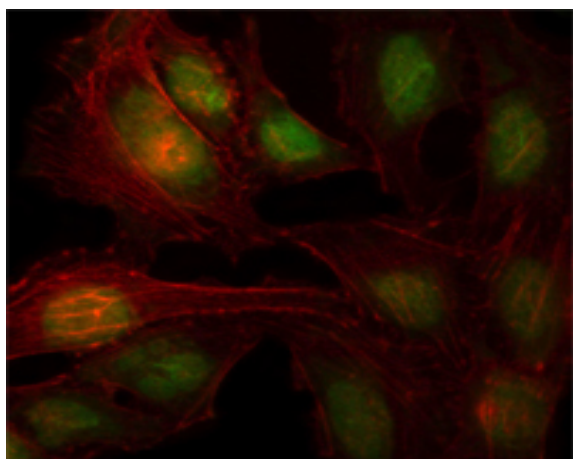
## Products Images



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