10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TOX4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56660

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O94842
Reactivity	Rat, Dog, Cat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66195

Additional Information

Gene ID	9878
Other Names	TOX high mobility group box family member 4, Epidermal Langerhans cell protein LCP1, TOX4, C14orf92, KIAA0737
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	TOX4 {ECO:0000303|PubMed:34914893, ECO:0000312|HGNC:HGNC:20161}
Function	Transcription factor that modulates cell fate reprogramming from the somatic state to the pluripotent and neuronal fate (By similarity). In liver, controls the expression of hormone-regulated gluconeogenic genes such as G6PC1 and PCK1 (By similarity). This regulation is independent of the insulin receptor activation (By similarity). Also acts as a regulatory component of protein phosphatase 1 (PP1) complexes (PubMed:39603239, PubMed:39603240). Component of the PNUTS-PP1 protein phosphatase complex, a PP1 complex that regulates RNA polymerase II transcription pause-release (PubMed:39603239, PubMed:39603240). PNUTS-PP1 also plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase (PubMed:20516061).
Cellular Location	Nucleus. Chromosome. Note=Associated with chromatin; colocalizes with RNA polymerase II (Pol II) on chromatin {ECO:0000250|UniProtKB:Q8BU11}
Tissue Location	Expressed in liver (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.