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

TOX4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17670A

Specification

TOX4 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O94842
Other Accession	NP_055643.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**66195**
Antigen Region	**172-199**

TOX4 Antibody (N-term) - Additional Information

Gene ID 9878

Other Names
TOX high mobility group box family member 4, Epidermal Langerhans cell protein LCP1, TOX4, C14orf92, KIAA0737

Target/Specificity
This TOX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-199 amino acids from the N-terminal region of human TOX4.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TOX4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TOX4 Antibody (N-term) - Protein Information

Name TOX4 (HGNC:20161)

Synonyms C14orf92, KIAA0737

Function Transcription factor that modulates cell fate reprogramming from the somatic state to the pluripotent and neuronal fate (By similarity). Component of the PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase (PubMed:20516061). In liver, controls the expression of hormone-regulated gluconeogenic genes such as G6PC1 and PCK1. This regulation is independent of the insulin receptor activation (By similarity).

Cellular Location
Nucleus. Note=Associated with chromatin

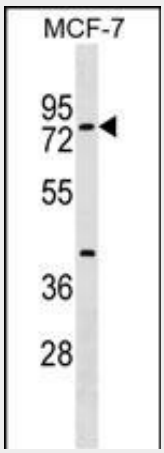
Tissue Location
Expressed in liver (at protein level).

TOX4 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TOX4 Antibody (N-term) - Images



TOX4 Antibody (N-term) (Cat. #AP17670a) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the TOX4 antibody detected the TOX4 protein (arrow).

TOX4 Antibody (N-term) - Background

TOX4 (TOX high mobility group box family member 4) contains 1 HMG box DNA-binding domain and the function remains unknown.

TOX4 Antibody (N-term) - References

Lee, J.H., et al. J. Biol. Chem. 285(32):24466-24476(2010)
Lee, S.J., et al. Exp. Mol. Med. 41(3):189-200(2009)

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Lim, J., et al. Cell 125(4):801-814(2006)
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)