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

CTDSPL2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10938a

Product Information

Application	WB, FC, E
Primary Accession	Q05D32
Other Accession	Q5XIK8, Q8BG15, NP_057480.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30136
Calculated MW	52999
Antigen Region	52-80

Additional Information

Gene ID	51496
Other Names	CTD small phosphatase-like protein 2, CTDSP-like 2, 313-, CTDSPL2
Target/Specificity	This CTDSPL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-80 amino acids from the N-terminal region of human CTDSPL2.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
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	CTDSPL2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CTDSPL2
Synonyms	SCP4 {ECO:0000303|PubMed:28851713}
Function	Serine/threonine phosphatase that promotes gluconeogenesis by

dephosphorylating FOXO1 and FOXO3A, promoting their nuclear retention and enhancing their transcriptional activity on PCK1 and G6PC1, key enzymes in hepatic gluconeogenesis (PubMed:28851713). Essential for proper embryonic skeletal development by regulating chondrocyte survival through dephosphorylation of FOXO3 (By similarity). By maintaining FOXO3 in its active, dephosphorylated form, inhibits excessive apoptosis of chondrocytes, which is essential for normal endochondral ossification and cartilage formation (By similarity).

Cellular Location Nucleus.

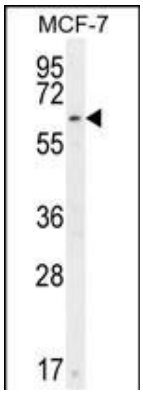
Background

Probable phosphatase (By similarity).

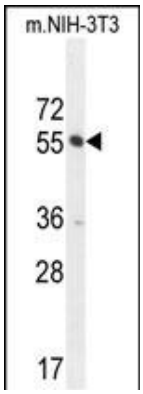
References

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Kimura, K., et al. Genome Res. 16(1):55-65(2006)

Images

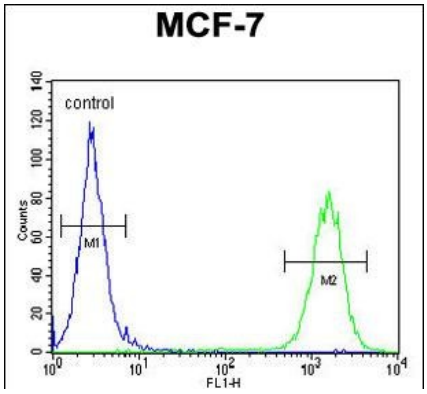


CTDSPL2 Antibody (N-term) (Cat. #AP10938a) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the CTDSPL2 antibody detected the CTDSPL2 protein (arrow).



CTDSPL2 Antibody (N-term) (Cat. #AP10938a) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the CTDSPL2 antibody detected the CTDSPL2 protein (arrow).

CTDSPL2 Antibody (N-term) (Cat. #AP10938a) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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