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

SERTAD2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17924a

Product Information

Application	WB, E
Primary Accession	Q14140
Other Accession	Q9JJG5, NP_055570.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37630
Calculated MW	33897
Antigen Region	1-30

Additional Information

Gene ID	9792
Other Names	SERTA domain-containing protein 2, Transcriptional regulator interacting with the PHD-bromodomain 2, TRIP-Br2, SERTAD2, KIAA0127
Target/Specificity	This SERTAD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SERTAD2.
Dilution	WB~~1:1000 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	SERTAD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SERTAD2
Synonyms	KIAA0127, TRIPBR2

Function	Acts at E2F-responsive promoters as coregulator to integrate signals provided by PHD- and/or bromodomain-containing transcription factors. May act as coactivator as well as corepressor of E2F1-TFDP1 and E2F4-TFDP1 complexes on E2F consensus binding sites, which would activate or inhibit E2F-target genes expression. Modulates fat storage by down-regulating the expression of key genes involved in adipocyte lipolysis, thermogenesis and oxidative metabolism.
Cellular Location	Nucleus. Cytoplasm. Note=Exported out of the nucleus via its NES in a XPO1-dependent manner. Once in the cytoplasm, is degraded by the proteasome
Tissue Location	Expressed in adipose tissue.

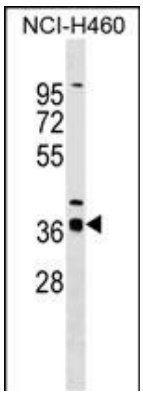
Background

SERTAD2 acts at E2F-responsive promoters to integrate signals provided by PHD-and/or bromodomain-containing transcription factors (By similarity).

References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Cheong, J.K., et al. J Transl Med 7, 8 (2009) :
Cheong, J.K., et al. J. Biol. Chem. 283(17):11661-11676(2008)
Watanabe-Fukunaga, R., et al. Genes Cells 10(8):851-860(2005)
Hillier, L.W., et al. Nature 434(7034):724-731(2005)

Images



SERTAD2 Antibody (N-term) (Cat. #AP17924a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the SERTAD2 antibody detected the SERTAD2 protein (arrow).