

EDC3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20283c

Product Information

Application	WB, E
Primary Accession	Q96F86
Other Accession	Q4R8V9 , NP_079359.2
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42795
Calculated MW	56078
Antigen Region	219-247

Additional Information

Gene ID	80153
Other Names	Enhancer of mRNA-decapping protein 3, LSM16 homolog, YjeF N-terminal domain-containing protein 2, YjeF_N2, hYjeF_N2, YjeF domain-containing protein 1, EDC3, LSM16, YJDC, YJEFN2
Target/Specificity	This EDC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 219-247 amino acids from the Central region of human EDC3.
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	EDC3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EDC3
Synonyms	LSM16, YJDC, YJEFN2

Function	Binds single-stranded RNA. Involved in the process of mRNA degradation and in the positive regulation of mRNA decapping. May play a role in spermiogenesis and oogenesis.
Cellular Location	Cytoplasm, P-body. Note=Processing bodies (PB)
Tissue Location	Expressed in theca and granulosa cells in ovary, and in spermatids of the meiotic division part II and apical membrane of Sertoli cells in testis (at protein level). Also expressed in brain and mammary gland.

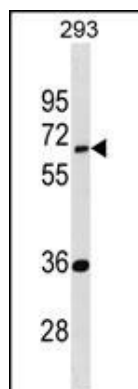
Background

EDC3 is associated with an mRNA-decapping complex required for removal of the 5-prime cap from mRNA prior to its degradation from the 5-prime end (Fenger-Gron et al., 2005 [PubMed 16364915]).

References

Tritschler, F., et al. Mol. Cell 33(5):661-668(2009)
Ling, S.H., et al. Mol. Cell. Biol. 28(19):5965-5976(2008)
Tritschler, F., et al. Mol. Cell. Biol. 27(24):8600-8611(2007)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Rudolph, C., et al. Horm. Metab. Res. 39(5):322-335(2007)

Images



EDC3 Antibody (Center) (Cat. #AP20283c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the EDC3 antibody detected the EDC3 protein (arrow).

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