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

SERINC3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17065b

Product Information

Application	WB, E
Primary Accession	Q13530
Other Accession	Q9QZI9, NP_945179.1, NP_006802.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36925
Calculated MW	52580
Antigen Region	373-400

Additional Information

Gene ID	10955
Other Names	Serine incorporator 3, Tumor differentially expressed protein 1, SERINC3, DIFF33, TDE1
Target/Specificity	This SERINC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 373-400 amino acids from the C-terminal region of human SERINC3.
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	SERINC3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SERINC3 (HGNC:11699)
Function	Restriction factor required to restrict infectivity of lentiviruses, such as HIV-1: acts by inhibiting an early step of viral infection. Impairs the

	penetration of the viral particle into the cytoplasm (PubMed:26416733, PubMed:26416734). Non-ATP-dependent, non- specific lipid transporter for phosphatidylserine, phosphatidylcholine, and phosphatidylethanolamine. Functions as a scramblase that flips lipids in both directions across the membrane. Phospholipid scrambling results in HIV-1 surface exposure of phosphatidylserine and loss of membrane asymmetry, which leads to changes in HIV-1 Env conformation and loss of infectivity (PubMed:37474505).
Cellular Location	Cell membrane; Multi-pass membrane protein. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9QZI9}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9QZI9}
Tissue Location	Ubiquitous. Expression levels were increased fourfold to tenfold in lung tumor tissues compared with normal pulmonary tissues.

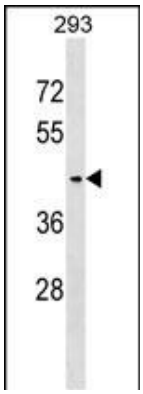
Background

SERINC3 may be involved in cellular transformation.

References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Bossolasco, M., et al. Oncogene 25(33):4549-4558(2006)
Deloukas, P., et al. Nature 414(6866):865-871(2001)
Bossolasco, M., et al. Mol. Carcinog. 26(3):189-200(1999)
Adams, M.D., et al. Nature 377 (6547 SUPPL), 3-174 (1995) :

Images



SERINC3 Antibody (C-term) (Cat. #AP17065b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the SERINC3 antibody detected the SERINC3 protein (arrow).