

SLFN12 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17783c

Product Information

Application	WB, E
Primary Accession	Q8IYM2
Other Accession	NP_060512.3
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31782
Calculated MW	66972
Antigen Region	192-220

Additional Information

Gene ID	55106
Other Names	Schlafen family member 12, SLFN12
Target/Specificity	This SLFN12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-220 amino acids from the Central region of human SLFN12.
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	SLFN12 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SLFN12 (HGNC:25500)
Function	Ribonuclease which is part of an E2/17beta-estradiol-induced pro-apoptotic signaling pathway. E2 stabilizes the PDE3A/SLFN12 complex in the cytosol, promoting the dephosphorylation of SLFN12 and activating its pro-apoptotic

ribosomal RNA/rRNA ribonuclease activity. This apoptotic pathway might be relevant in tissues with high concentration of E2 and be for instance involved in placenta remodeling (PubMed:[31420216](#), PubMed:[34272366](#), PubMed:[34707099](#), PubMed:[35104454](#)). May play a role in cell differentiation (PubMed:[30045019](#)).

Cellular Location Nucleus. Cytoplasm, cytosol

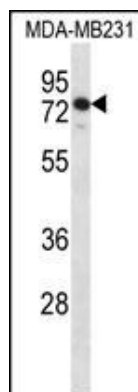
Background

Belongs to the Schlafen family.

References

Schwarz, D.A., et al. Immunity 9(5):657-668(1998)

Images



SLFN12 Antibody (Center) (Cat. #AP17783c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the SLFN12 antibody detected the SLFN12 protein (arrow).

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