



# Rabbit Anti-Human Schlafen 11 polyclonal antibody (CABT-B9075)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Specificity of antibody verified on a Protein Array containing target protein plus 383 other non-specific proteins.
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: REVLGCAKENVDPDSLRRKIEQAIYKLPVHFCQPQRPIITFTLKIVDVLKRGELYGYACM IRVNPFCFAVFSEAPNSWI
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

# BACKGROUND

## Introduction

SLFN11 (schlafen family member 11) is a protein-coding gene. Diseases associated with SLFN11 include melanoma. GO annotations related to this gene include tRNA binding and ATP binding. An important paralog of this gene is SLFN13. Interferon (IFN)-induced antiviral protein which acts as an inhibitor of retrovirus protein synthesis. Specifically abrogates the production of retroviruses such as human immunodeficiency virus 1 (HIV-1) by acting as a specific inhibitor of the synthesis of retroviruses encoded proteins in a codon-usage-dependent manner. Binds to tRNAs and exploits the unique viral codon bias towards A/T nucleotides. The exact inhibition mechanism is unclear: may either sequesters tRNAs, prevents their maturation via post-transcriptional processing or accelerates their deacylation. Does not inhibit reverse transcription, integration or production and nuclear export of viral RNA. May play a role in cell cycle arrest and/or induction of apoptosis in response to exogenously induced DNA damage. Schlafen family member 11 is a protein that in humans is encoded by the SLFN11 gene. The function about SLFN11 antigen include ATP binding; tRNA binding.

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## Keywords

LFN11; schlafen family member 11; SLFN8/9;

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# GENE INFORMATION

## Entrez Gene ID

[91607](#)

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## UniProt ID

[Q7Z7L1](#)

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