Datasheet for ABIN7270159

anti-SLFN11 antibody

1 Image

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Overview

Quantity:	100 µL
Target:	SLFN11
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SLFN11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	SLFN11 Rabbit mAb
Immunogen:	Recombinant protein of human SLFN11.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	SLFN11
Alternative Name:	SLFN11 (SLFN11 Products)
Background:	Inhibitor of DNA replication that promotes cell death in response to DNA damage. Acts as a

Target Details

	guardian of the genome by killing cells with defective replication. Persistently blocks stressed replication forks by opening chromatin across replication initiation sites at stressed replication forks, possibly leading to unwind DNA ahead of the MCM helicase and block fork progression, ultimately leading to cell death. Acts independently of ATR. Also acts as an 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 sequester tRNAs, prevent their maturation via post-transcriptional processing or may accelerate their deacylation. Does not inhibit reverse transcription, integration or production and nuclear export of viral RNA.,SLFN8/9,SLFN11
Molecular Weight:	102kDa
Gene ID:	91607
UniProt:	Q7Z7L1

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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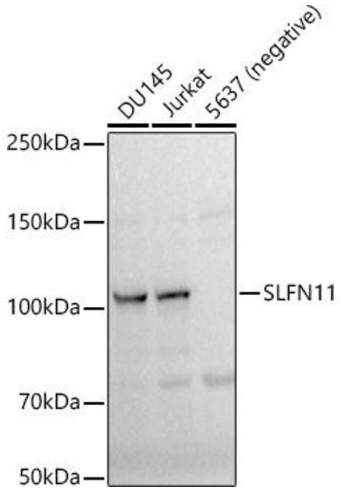

Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using SLFN11 antibody (ABIN7270159) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

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