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C19orf66 Rabbit pAb

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Catalog # AP55290

Product Information

Application	WB
Primary Accession	Q9NUL5
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33110
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C19orf66
Epitope Specificity	1-100/291
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	55337
Other Names	Shiftless antiviral inhibitor of ribosomal frameshifting protein, SFL, SHFL, Interferon-regulated antiviral protein, IRAV, Repressor of yield of DENV protein, RyDEN, SHFL (HGNC:25649)
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

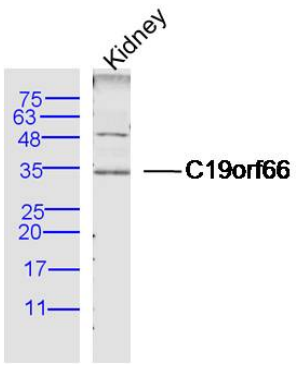
Name	SHFL (HGNC:25649)
Function	Inhibits programmed -1 ribosomal frameshifting (-1PRF) of a variety of mRNAs from viruses, such as HIV1, and cellular genes, such as PEG10. Interacts with the -1PRF signal of target mRNA and translating ribosomes and causes premature translation termination at the frameshifting site (PubMed:30682371). Regulates HIV1 GAG-POL expression by inhibiting -1PRF (PubMed:30682371). Exhibits antiviral activity against dengue virus (DENV)

	and can inhibit the replication of all DENV serotypes. May block the protein translation of DENV RNA via its association with cellular mRNA-binding proteins and viral RNA. Also interrupts Zika virus replication by promoting viral NS3 degradation via a lysosome-dependent pathway (PubMed:32150556). Can also limit the replication of hepatitis C virus (HCV) by restricting formation of viral replication organelle, West Nile virus (WNV), Chikungunya virus (CHIKV), herpes simplex virus type 1 (HHV-1), herpes virus type 8 (HHV- 8) and human adenovirus (PubMed:26735137, PubMed:27974568, PubMed:30944177, PubMed:32294532). Binds nucleic acids with a higher affinity for ssRNA and ssDNA than for dsDNA (PubMed:27974568).
Cellular Location	Cytoplasm. Nucleus Cytoplasm, P-body. Note=Predominantly found in the cytoplasm (PubMed:26735137). After infection, relocalizes to the DENV replication complex in perinuclear regions (PubMed:27974568).

Background

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Images



Sample: Kidney (Mouse) Lysate at 40 ug
Primary: Anti-C19orf66 (AP55290) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 33 kD
Observed band size: 33 kD

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