

# CSFV E2 Rabbit pAb

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Catalog # AP94025

## Product Information

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<b>Application</b>	WB
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	42 KDa
<b>Physical State</b>	Liquid
<b>Immunogen</b>	Recombined full length CSFV E2 protein
<b>Epitope Specificity</b>	full length
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	E(rns) glycoprotein: Host membrane; Peripheral membrane protein. Note: The C-terminus membrane anchor of Erns represents an amphipathic helix embedded in plane into the membrane
<b>SIMILARITY</b>	Belongs to the pestivirus polyprotein family. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain. Contains 1 peptidase C53 domain. Contains 1 peptidase C74 domain. Contains 1 peptidase S31 domain. Contains 1 RdRp catalytic domain.
<b>SUBUNIT</b>	The E(rns) glycoprotein is found as a homodimer; disulfide-linked. The E1 and E2 envelope glycoproteins form disulfide-linked homodimers as well as heterodimers.
<b>Post-translational modifications</b>	The E(rns) glycoprotein is heavily glycosylated. The viral RNA of pestiviruses is expressed as a single polyprotein which undergoes post-translational proteolytic processing resulting in the production of at least eleven individual proteins. The N-terminal protease cleaves itself from the nascent polyprotein autocatalytically and thereby generates the N-terminus of the adjacent viral capsid protein C. Cleavage between E2 and p7 is partial.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	Classical swine fever(CSF) is a kind of acute and intense contagious disease in swine, it material damages swine industry. CSF could cause swine appearing disseminated hemorrhage in systemic organ and tissue, degeneration and necrosis in small vascular and capillary endothelial cells. Classical swine fever virus (CSFV) belongs to genera Pestivirus, family Flaviviridae, it's genome total length is 12.3Kb,including a big ORF, encoding 11 structural and nonstructural proteins.

## Additional Information

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<b>Dilution</b>	WB=1:500-2000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

## 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.

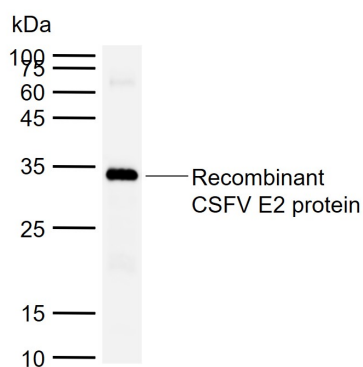
## Background

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## Images

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Sample: Lane 1: Recombinant CSFV E2 protein Primary: Anti-CSFV E2 (AP94025) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kDa Observed band size: 32 kDa

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