

CSFV E2 Goat pAb

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Catalog # AP94148

Product Information

Application	WB
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42 KDa
Physical State	Liquid
Immunogen	Recombined CSFV E2 protein
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	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
SIMILARITY	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.
SUBUNIT	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.
Post-translational modifications	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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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

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

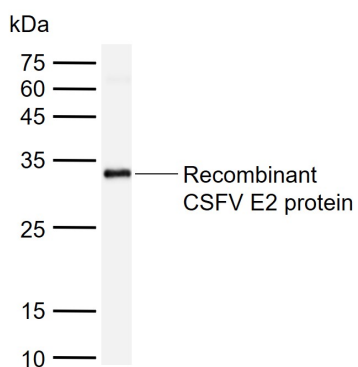
Storage

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.

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Images



Sample: Lane 1: Recombinant CSFV E2 protein Primary: Anti-CSFV E2 (AP94148) at 1/1000 dilution Secondary: IRDye800CW Donkey anti-Goat 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'.