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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-S protein [6E6] Ab03471-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 6E6

Alternative Name(s) of Target: PEDV; S; E2; Spike glycoprotein; S glycoprotein; Peplomer protein; Porcine epidemic diarrhea virus

UniProt Accession Number of Target Protein: Q91AV1

Published Application(s): WB, ELISA

Published Species Reactivity: Porcine epidemic diarrhea virus (PEDV)

Immunogen: The original antibody was generated by immunizing 6 week-old-female BALB/c mice with 50 µg of purified PEDV emulsified in complete Freund's adjuvant.

Specificity: This antibody binds a linear epitope between amino acids 756 SGSIGYVPLQDGQVKI 771 of the spike protein of porcine epidemic diarrhea virus (PEDV). S1 region attaches the virion to the cell membrane by interacting with host ANPEP/aminopeptidase N, initiating the infection. PEDV, a member of the genus Alphacoronavirus in the family Coronaviridae, causes acute diarrhea and/or vomiting, dehydration and high mortality in neonatal piglets.

Application Notes: The binding characterization of this antibody to PEDV spike protein linear epitope 'SGSIGYVPLQDGQVKI' was done using ELISA and western blot. This antibody also bound a peptide having amino acids sequence 'LQDGQVKI' in an ELISA (PMID: 18400422).

Antibody First Published in: Sun et al. Identification of two novel B cell epitopes on porcine epidemic diarrhea virus spike protein. Vet Microbiol. 2008 Sep 18; 131(1): 73-81. [PMID:18400422](#)

Note on publication: Describes the characterization of two epitope on the spike protein of PEDV using antibodies.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.