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Anti-Fish Nervous Necrosis Virus Particles, Mouse-Monoclonal Antibody

Catalog No. PG-20013 **Quantity:** 100μg **Applications tested:** ELISA, Western Blot, IHC
Antigen species: Fish NNV **Reactivity:** Fish NNV
Host species: Mouse **Form:** Protein A affinity purified antibody

Target description

Viral nervous necrosis (VNN) is a worldwide disease among marine fishes. Fish nervous necrosis virus (NNV) causes high mortality and considerable economic damage to the aquaculture industry. In Taiwan, VNN disease was first identified in 2 species of hatchery-reared grouper, *Epinephelus fuscogutatus* and *E. akaaya* in 1994. Since then, increasing mortalities have occurred among groupers *Epinephelus spp.*, and also among European eels *Anguilla anguilla* L., yellow-wax pompano *Trachinotus falcatus*, firespot snapper *Lutaanus erythropterus* B., barramundi *Lates calcarifer*, cobias *Rachycentron canadum*, humpback groupers *Cromileptes altivelis* and Chinese catfish *Parasilurus asotus*.

Antigen

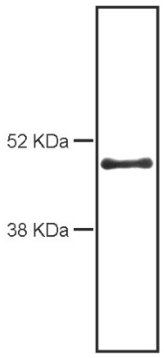
This monoclonal antibody was raised by a hybridoma cell line.

Application

The antibody titer is 1:10,000 dilution for ELISA and WB, and 1/2,000 dilution for immunohistochemistry (IHC) staining.

Related Products

1. Anti-NNV coat protein rabbit pAb (GB-10063)
2. Anti-NNV coat protein rabbit pAb (GB-10064)



Western blot test

The coat protein of NNV will be positively detected in the location of M.W. of 52~38 kDa by Western Blot analysis with 1:10,000 dilution.

Storage

It is supplied as protein A affinity purified antibody in lyophilized powder. Reconstituted the powder with 100 microliter sterile water will restore to the original concentration 1 mg/mL. Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1. Chi SC, Shieh JR, Lin SJ. Genetic and antigenic analysis of betanodaviruses isolated from aquatic organisms in Taiwan. Dis Aquat Organ. 2003 Aug 4;55(3):221-8.
2. Chi SC, Lin SC, Su HM, Hu WW. Temperature effect on nervous necrosis virus infection in grouper cell line and in grouper larvae. Virus Res. 1999 Sep;63(1-2):107-14.