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Anti-Japanese encephalitis virus, Rabbit-Polyclonal Antibody

Catalog No. PG-10004 **Quantity:** 250μl **Applications:** Immunofluorescence
Antigen species: JEV **Reactivity:** JEV
Host species: Rabbit **Form:** Antiserum

Target description

Japanese encephalitis virus (JEV) is mosquito borne flavivirus that induced acute encephalitis in tropical and subtropical world.

Antigen

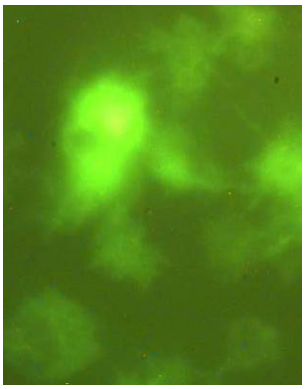
Viral particles from C6/36 (mosquito cell line) amplified JEV (Nakayama strain).

Application

The antibody specificity was assayed by immunofluorescence with the JEV infected BHK-21 cells. It has not been tested in the other applications. However, for the first testing, we recommend 1/1,000 dilution for ELISA, 1/500 dilution for Western blot analysis (WB) of recombinant protein, 1/100 dilution for tissue extracts or cell lysates, 1/100 dilution for immunohistochemistry (IHC) staining on frozen cryosections or paraffin embedded sections.

Related Products

1. Anti-Influenza A Virus Matrix Protein M1, pAb (GB-10083).
2. Anti- Dengue Viruses, rabbit pAb (PG-10003)



Immunofluorescence staining of JEV-infected BHK-21 cells (noted that not every cells are infected)

Immunofluorescence Protocol

1. Cultured cells were fixed with 4% paraformaldehyde in 1 X PBS, and then permeable by 4% paraformaldehyde plus 0.1% Triton X-100 in 1 X PBS
2. Block with 5%BSA/1XPBS for 1 hour at RT.
3. Wash blot with 1 X PBS 3 times.
4. Add anti-JEV polyclonal antibody.
5. Incubate for 1 hour at RT.
6. Wash blot with 0.05% TBST 3 X 15 minutes.
7. Add appropriate amount of correct secondary antibody, goat anti-rabbit antibody conjugated with HRP. Incubate for 1 hour at RT.
8. Wash blot 3 X 15 minutes with 0.05% TBST at RT.
9. Add HRP substrate and develop

Storage

It is supplied as lyophilized serum. Redissolve the lyophilized powder with 250 microliter sterile water will restore the original condition. Store at 4°C for short term application. For long-term storage, aliquot and store at -20°C.

References

1. Hsin-Hou, Chang, Jyh-Hwa, Kau, You-Ming, Wang, Der-Shan, Sun, Szecheng, J.Lo. (2003). Cell-adhesion and morphological changes are not sufficient to support anchorage-dependent cell growth via non-integrin-mediated attachment. *Cell Biology International* 27,123-133.