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Anti-Enterovirus 71 VP2, Chicken-Polyclonal Antibody

Catalog No. PY-10307 Quantity: 100μg Applications: Western blot

Antigen species: Enterovirus 71 Reactivity: Enterovirus 71

Host species: Chicken **Form:** Antigen affinity purified antibody

Target description

Enterovirus 71 (EV71) has been recognized as a frequent cause of epidemics of handfoot-and-mouth disease with severe associated neurological sequelae in small proportion of cases. Phylogenetic analysis of the VP4 and VP1 genes of recent HEV71 strains indicates that several genogroups of the virus have been circulating in the Asia-Pacific region since 1997.

Antigen

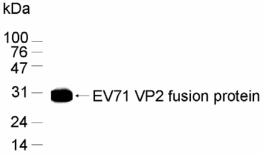
This polyclonal antibody was raised by immunizing chicken with Enterovirus 71, capsid protein VP2.

Application

The antibody titer is more than 5000 for Western blotting. For the first testing, we recommend 1/3000 dilution for WB of recombinant protein, 1/100 dilution for tissue extracts or cell lysates, 1/100 dilution for immuno-histochemistry (IHC) staining on frozen cryosections, 1/50 dilution for IHC staining on paraffin embedded sections.

Related Products

- Anti-EV71(VP1, VP2 mixture), Chicken-Poly (PY-10267).
- 2. Anti-EV71 whole virus, Chicken-Poly (PY-10300).
- 3. Anti-EV71 VP1, Chicken-Poly (PY-10306).
- Anti-EV71 VP3, Chicken-Poly (PY-10308).



400ng E coli-derived fusion protein as test antigen.

Western blot Protocol

- 1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
- 2. Incubate membrane with IgY antibodies at dilution of 1: 3,000 with 1% milk in PBS-T at R.T. for 1 h.
- 3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
- 4. Incubate with 2nd antibody (goat-anti-IgY/Fc-HRP) at dilution 1:10,000 for ECL (with 1%milk PBS-T) at R.T. for 1h.
- 5. Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
- 6. Perform ECL detection of signal using Pierce ECL kit.

Storage

It is supplied as total IgY antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1×PBS). Store at 4° C for short-term application. For long-term storage, aliquot and store at -20° C.

References

- 1. Brown, B.A., and Pallansch, M.A., Complete nucleotide sequence of enterovirus 71 is distinct from poliovirus. *Virus Res.* 39 (2-3), 195-205 (1995)
- 2. Molecular epidemiology of human enterovirus *Emerg Infect Dis.* 2003 Apr; 9(4): 461-8.

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