



## Prion Protein (PrP) polyclonal antibody

Catalog: BS91106

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Prion diseases, or transmissible spongiform encephalopathies (TSEs), are manifested as genetic, infectious or sporadic, lethal neurodegenerative disorders involving alterations of the prion protein (PrP). Characteristic of prion diseases, cellular PrP (PrP<sub>c</sub>) is converted to the disease form, PrP<sup>Sc</sup>, through alterations in the protein folding conformations. PrP<sub>c</sub> is constitutively expressed in normal adult brain and is sensitive to proteinase K digestion, while the altered PrP<sup>Sc</sup> conformation is resistant to proteases, resulting in a distinct molecular mass after PK treatment. Consistent with the transient infection process of prion diseases, incubation of PrP<sub>c</sub> with PrP<sup>Sc</sup> both in vitro and in vivo produces PrP<sub>c</sub> that is resistant to protease degradation. Infectious PrP<sup>Sc</sup> is found at high levels in the brains of animals affected by TSEs, including scrapie in sheep, BSE in cattle and Cruetzfeldt-Jakob disease in humans.

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

~ 23 kDa

### Swiss-Prot:

P04156

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

ICC: 1:100~1:500

IHC: 1:100~1:500

IF: 1:100~1:500

ELISA: 1:5000~1:10000

### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

Prion Protein (PrP) polyclonal antibody detects endogenous levels of Prion Protein (PrP) protein.

### DATA:

### Note:

For research use only, not for use in diagnostic procedure.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogol.com](mailto:info@biogol.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151