

## Product datasheet for **AP32838PU-N**

### PRNP Chicken Polyclonal Antibody

#### Product data:

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:         | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applications:         | IF, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Recommended Dilution: | <b>Western Blot:</b> 1/2500.<br><b>Immunohistochemistry:</b> 1/1000-1/5000.<br><b>Quality Control:</b> Antibodies were analyzed by Immunocytochemistry (1/1000 dilution) using cells transfected with the prion protein cDNA.                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity:           | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Host:                 | Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype:              | IgY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality:            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen:            | Chickens were immunized with a recombinant fragment of the human prion protein emulsified with Freund's complete and incomplete adjuvants. After multiple injections, eggs were collected from the hens, and IgY fractions were prepared from the yolks. Affinity-purified antibodies were then prepared using an agarose column to which the recombinant protein fragments were covalently attached. Finally, affinity purified antibodies (50 ug/ml final concentration) were mixed with the IgY fraction (10 mg/ml final concentration) in a mixture containing glycerol (50% v/v) (to prevent freezing at -20°C) and 0.02% Sodium Azide. |
| Formulation:          | 0.9% (w/v) Sodium Phosphate (10 mM, pH 7.2) buffered isotonic saline, 50% (v/v) Glycerol, with 0.02% (w/v) Sodium Azide as an anti-microbial agent<br>State: Purified<br>State: Mixture of IgY fraction (10 mg/ml) and affinity-purified antibodies (50 µg/ml)                                                                                                                                                                                                                                                                                                                                                                               |
| Concentration:        | lot specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Conjugation:          | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage:              | Upon receipt, store undiluted (in aliquots) at -20°C.<br>This products is photosensitive and should be protected from light.<br>Avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Stability:            | Shelf life: One year from despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Database Link:        | <u><a href="#">P23907</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



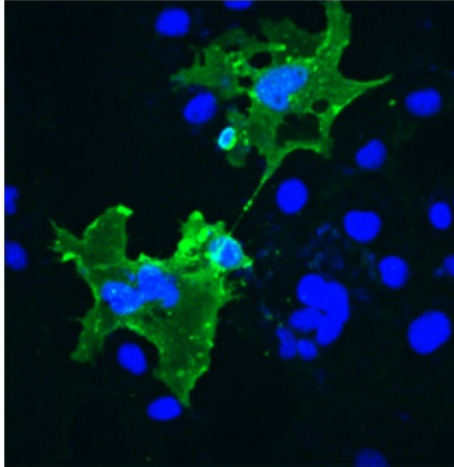
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**Background:**

Prion protein is the protein responsible for human Creutzfeldt-Jakob Disease (CJD), and somatic mutations of the prion gene are responsible for Gerstmann-Straussler-Scheinker disease and Fatal Familial Insomnia. The bovine homolog of the prion protein is responsible for bovine Spongiform Encephalopathy (BSE), also known as "Mad Cow Disease." In all cases, the prion protein has two folding states, with one state being the "normal" non-pathological form, and the other state inducing a spongiform encephalopathy.

**Synonyms:**

Major prion protein, PrP27-30, PrP33-35C, ASCR, PRNP, PRIP

**Product images:**


Cultured fibroblasts cells transiently transfected with a plasmid containing the Prion Protein cDNA