

Anti - PRION

Rabbit clonal antibody

CAT#

DB 080-0.05 (50 µl)
DB 080-0.1 (100 µl)

PRODUCT INFORMATION

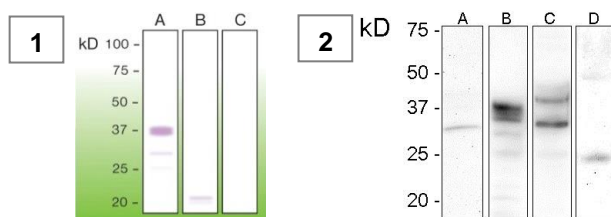
Clone number:	V21-V	Buffer:	20 mM Tris-HCl, pH 8.0
Uniprot:	Human: P04156; Bovine: P10279; Mouse: P04925; Rat: P13852	Stabilizer:	10 mg/ml BSA
Product description:	Rabbit anti-prion clonal IgGs	Preservative:	0.05% Sodium Azide
Basic information:	Major clone of rabbit immunoglobulin corresponding to immunogenic peptide; antibody recognizes mostly PrP ^{Sc} , untreated with proteinase-K however, PrP ^C is slightly recognized as well	Storage:	10 µl aliquots at -20°C
Immunogen:	Peptide derived from the middle of the second alpha-helical domain of human prion protein. Antibody recognizes the epitope located between Val161 - His177.	Handling:	Avoid repeated freezing and thawing
Species Reactivity:	Human, bovine, mouse, rat - tested	Expiration:	24 months from the shipping date
		Applications:	Western blot, Immunoprecipitation, ELISA
		Dilution range:	Western blotting – 1:1,000 ELISA – 1:20,000 – 1:50,000 Immunoprecipitation – dilutions to be tested by user

WESTERN BLOT (WB) PROTOCOL - INSTRUCTION MANUAL

Western immunoblotting solutions:

- Wash buffer: 1x Tris Buffered Saline (TBS); 0.2% Tween 20
- Blocking buffer: 1xTBS; 0.2% Tween 20; 5% nonfat dry milk

For western blots, incubate the membrane with antibody diluted in blocking buffer for 2 hours at room temperature.



Anti - prion (DB 080)

- Western blot analysis of prion protein in mouse brain extract (A), HEK293 cells producing recombinant human prion protein (B), and untransfected HEK 293 cells (C). 200 µg of total protein loaded per well.
- Western blot analysis of prion protein was performed by Drs. Valeriy Ostapchenko and Marco Prado, Robarts Research Institute, Western University, London, Ontario, Canada. Lanes A-C represent extracts (30 µg of total protein per lane) of PrP-KO CF-10 cells (A), mouse hippocampus (B) and HEK293 cells, transfected with mouse prion protein bearing 3F4 epitope (C); lane D corresponds to 30 ng recombinant MoPrP.

PRECAUTIONS

1. Intended for professional In Vitro Diagnostic use in laboratories.
2. Do not use after expiration date stamped on vial label.
3. Avoid contamination of the reagent.
4. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results.
5. The reagent contains sodium azide (NaN₃) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous.
6. Disposal of waste material must be conducted in accordance with local regulations.
7. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.