

PrP Monoclonal Antibody (2G11)

Product Details	
Size	250 µg
Species Reactivity	Sheep
Published Species	Rabbit, Bovine
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	2G11
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to 146-R(154)R(171)-182 of ovine PrP
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	4°C or -20°C if preferred
RRID	AB_2237760

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	-	3 Publications
ELISA (ELISA)	1:50-1:1,000	-

Product Specific Information

This antibody recognizes the scrapie-associated protease-resistant isoform (PrP^{sc}) of ovine prion protein (PrP). The prion protein is encoded by the PrP gene and is constitutively expressed as the normal cellular isoform PrP^c by many cell types. Clone 2G11 specifically recognizes the R151-R159 sequence and does not recognize the non-pathogenic PrP^c form.

Pre-treat samples with trypsin at 37°C for 5 minutes followed by heat-mediated antigen retrieval using 10mM citrate buffer (pH6.0), followed by treatment of tissue sections in 98% formic acid for 30 minutes for optimal results.

5 References

Western Blot (1)

American journal of physiology. Gastrointestinal and liver physiology

Modulatory role of phosphoinositide 3-kinase in gastric acid secretion.

"MA1-82828 was used in western blot to investigate the role of phosphoinositide 3-kinase in gastric acid secretion"

Authors: Mettler SE,Ghayouri S,Christensen GP,Forte JG

Species
Rabbit

Dilution
1:4

Year
2007

Immunohistochemistry (1)

The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society

High-pressure freezing of isolated gastric glands provides new insight into the fine structure and subcellular localization of H⁺/K⁺-ATPase in gastric parietal cells.

"MA1-82828 was used in immunohistochemistry to show the subcellular localization of hydrogen/potassium-ATPase in gastric parietal cells"

Authors: Sawaguchi A,McDonald KL,Forte JG

Species
Rabbit

Dilution
Not Cited

Year
2004

Immunocytochemistry (3)

American journal of physiology. Cell physiology

Functionally distinct pools of actin in secretory cells.

"MA1-82828 was used in immunocytochemistry to investigate the importance of cytoskeleton in the secretion of HCl in stomach"

Authors: Ammar DA,Nguyen PN,Forte JG

Species
Rabbit

Dilution
Not Cited

Year
2001

The American journal of physiology

Expression of rab11a N124I in gastric parietal cells inhibits stimulatory recruitment of the H⁺-K⁺-ATPase.

"MA1-82828 was used in immunocytochemistry to investigate the role of RAB11a N124I for stimulatory recruitment of the hydrogen-potassium-ATPase in gastric parietal cells"

Authors: Duman JG,Tyagarajan K,Kolsi MS,Moore HP,Forte JG

Species
Rabbit

Dilution
1:3

Year
1999

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