ARG23154
anti-CD230 / Prion protein antibody [2G11]

Package: 125 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2G11] recognizes CD230 / Prion protein
Tested Reactivity	Sheep
Tested Application	ELISA, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	2G11
Isotype	IgG2a
Target Name	CD230 / Prion protein
Species	Sheep
Immunogen	Synthetic peptide 146-R154R171-182 of Sheep PrP.
Conjugation	Un-conjugated
Alternate Names	GSS; PrPc; PrP33-35C; PrP27-30; Alternative prion protein; p27-30; CJD; ASCR; CD230; PrP; PRIP; KURU; AltPrP

Application Instructions

Application table

Application	Dilution
ELISA	1:50 - 1:1000
IHC-P	Assay-dependent

Application Note

IHC-P: Treatment of tissue sections in 98% formic acid, for 30 minutes, is recommended prior to pre-treatment with trypsin at 37°C for 5 minutes followed by heat mediated retrieval with 10mM Citrate buffer (pH 6.0).
ELISA: Tested on peptide.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PRNP
Gene Full Name	prion protein
Background	The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored glycoprotein that tends to aggregate into rod-like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats. This gene is found on chromosome 20, approximately 20 kbp upstream of a gene which encodes a biochemically and structurally similar protein to the one encoded by this gene. Mutations in the repeat region as well as elsewhere in this gene have been associated with Creutzfeldt-Jakob disease, fatal familial insomnia, Gerstmann-Straussler disease, Huntington disease-like 1, and kuru. An overlapping open reading frame has been found for this gene that encodes a smaller, structurally unrelated protein, AltPrp. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]
Calculated Mw	9 kDa
PTM	The glycosylation pattern (the amount of mono-, di- and non-glycosylated forms or glycoforms) seems to differ in normal and CJD prion. Isoform 2 is sumoylated with SUMO1. [UniProt]