SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-TMEM158 antibody

SL11770R

Product Name:	TMEM158
Chinese Name:	Transmembrane protein158抗体
Alias:	40 kDa BINP binding protein; 40 kDa BINP-binding protein; BBP; BINP receptor; Brain injury derived neurotrophic peptide (BINP) binding protein; Brain specific binding protein; DKFZp586E1621; HBBP; p40BBP; Ras induced senescence protein 1; Ras-induced senescence protein 1; RIS1; TM158_HUMAN; TMEM 158; TMEM158; Transmembrane protein 158.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	28kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TMEM158:188-260/300
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	TMEM158 is a 286 amino acid protein encoded by a gene mapping to human chromosome 3. Chromosome 3 is made up of about 214 million bases encoding over 1,100 genes. Notably, there is a chemokine receptor gene cluster and a variety of human

cancer related loci on chromosome 3. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Key tumor suppressing genes on chromosome 3 encode apoptosis mediator RASSF1, cell migration regulator HYAL1 and angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth Disease are a few of the numerous genetic diseases associated with chromosome 3.

Function:
Receptor for brain injury-derived neurotrophic peptide (BINP), a synthetic 13-mer peptide.

Subcellular Location:
Membrane.

Post-translational modifications:
N-glycosylated.

Similarity:
Belongs to the TMEM158 family.

SWISS:
Q8WZ71

Gene ID:
25907

Database links:

Entrez Gene: 788085Cow

Entrez Gene: 25907Human

Entrez Gene: 72309Mouse

Entrez Gene: 117582Rat

SwissProt: A2VDX9Cow

SwissProt: Q8WZ71Human

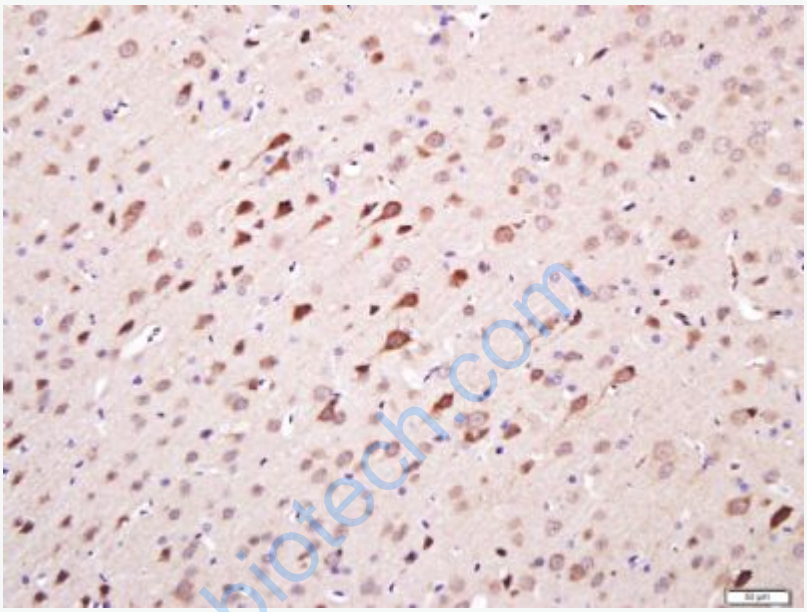
SwissProt: Q6F5E0Mouse

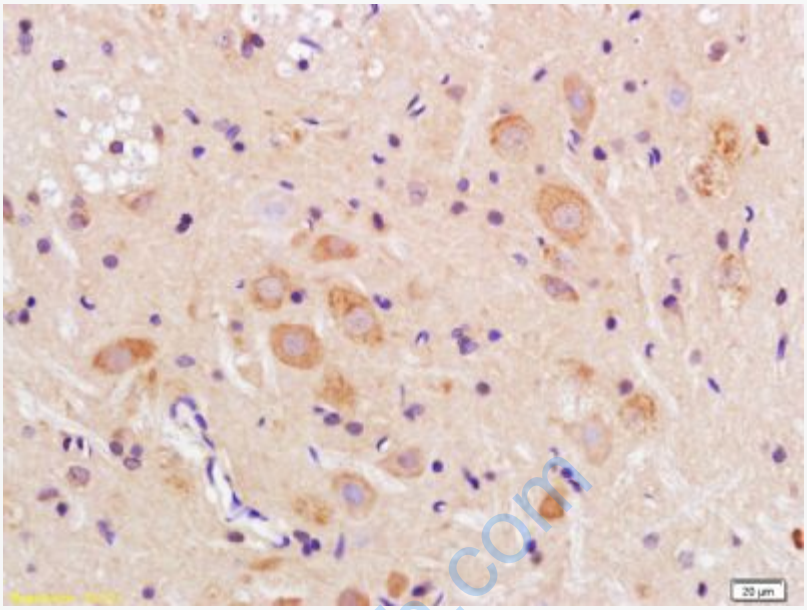
SwissProt: Q91XV7Rat

Unigene: 740403Human

Unigene: 8569Mouse

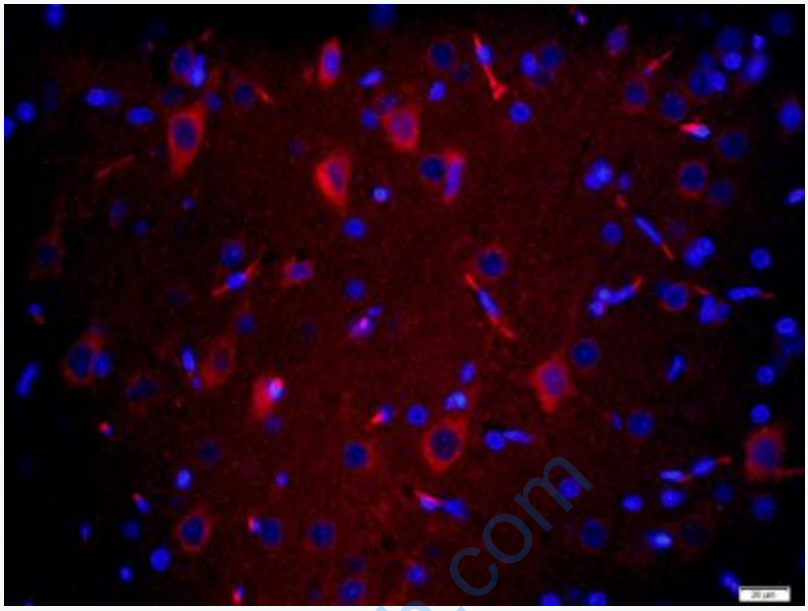
Unigene: 4294Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TMEM158) Polyclonal Antibody, Unconjugated (SL11770R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

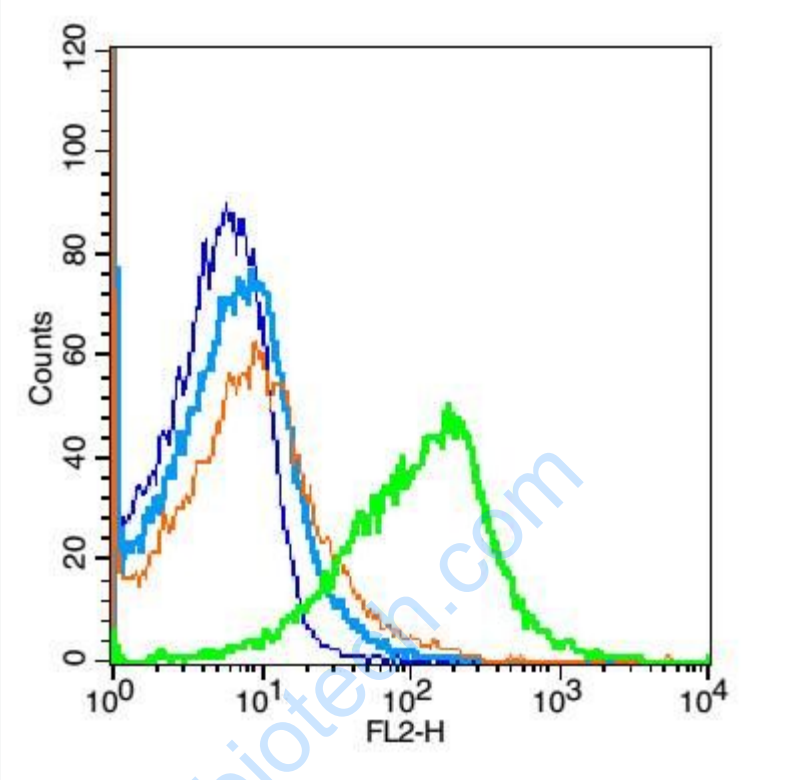


Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-TMEM158 Polyclonal Antibody, Unconjugated(SL11770R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TMEM158) Polyclonal Antibody, Unconjugated (SL11770R) at 1:400 overnight at 4°C, followed by a conjugated secondary (SL11770R) at [1:500] for 90 minutes and DAPI staining of the nuclei.

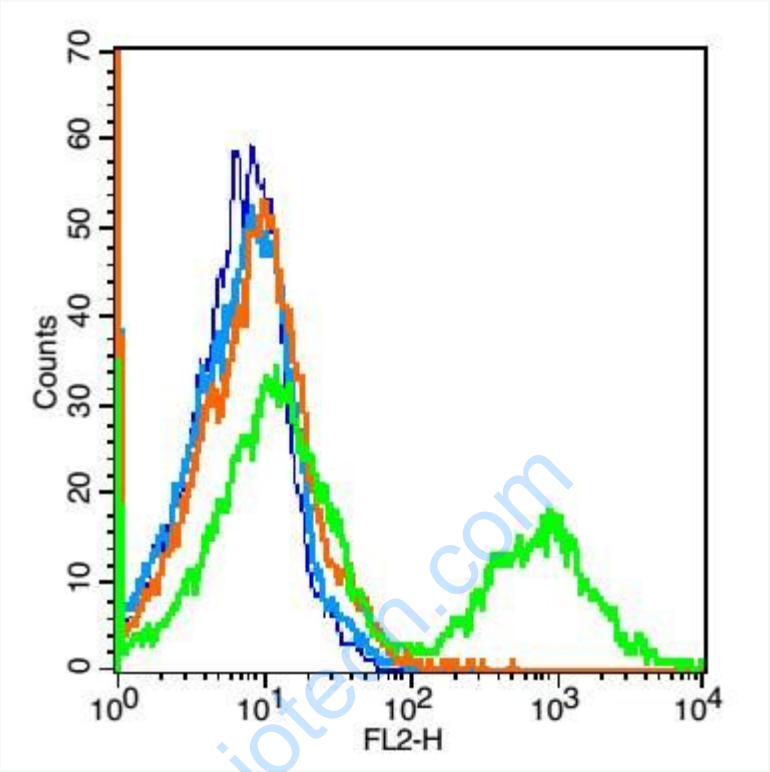


Blank control: Mouse spleen cells(blue).

Primary Antibody: Rabbit Anti-TMEM158 antibody(SL11770R), Dilution: 5μg in 100 μL 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.



Blank control: Mouse heart cells(blue).

Primary Antibody: Rabbit Anti-TMEM158 antibody(SL11770R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.