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## TMEM158 Rabbit pAb

Catalog Number: bs-11770R

Target Protein: TMEM158

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test)

Reactivity: Mouse, Rat (predicted:Human, Pig, Cow, Chicken)

Predicted MW: 28 kDa

Subcellular: Cell membrane

Locations:

Entrez Gene: 25907

Swiss Prot: Q8WZ71

Source: KLH conjugated synthetic peptide derived from human TMEM158: 188-260/300.

Purification: affinity purified by Protein A

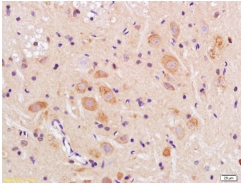
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

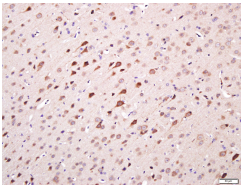
**Background:** TMEM158 is a 286 amino acid protein encoded by a gene mapping to human chromosome 3. Chromosome 3 is made up of about 214 million bases encoding over 1,100 genes. Notably, there is a chemokine receptor gene cluster and a variety of human cancer related loci on chromosome 3. Particular 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.

### VALIDATION IMAGES

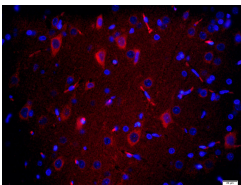
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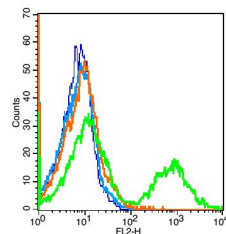
Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-TMEM158 Polyclonal Antibody, Unconjugated (bs-11770R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



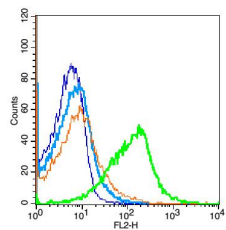
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TMEM158) Polyclonal Antibody, Unconjugated (bs-11770R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH 6) 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 (bs-11770R) at 1:400 overnight at 4°C, followed by a conjugated secondary (bs-0295G-Cy3) at [1:500] for 90 minutes and DAPI staining of the nuclei.



Blank control: Mouse heart cells (blue). Primary Antibody: Rabbit Anti-TMEM158 antibody (bs-11770R), 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.



Blank control: Mouse spleen cells (blue). Primary Antibody: Rabbit Anti-TMEM158 antibody (bs-11770R), 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.