

Anti-TMEM158 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Pig,Cow)
Molecular Weight:	Theoretical: 28 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-TMEM158 Polyclonal Antibody, Unconjugated (TMAB-13594) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	2. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TMEM158) Polyclonal Antibody, Unconjugated (TMAB-13594) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
	3. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TMEM158) Polyclonal Antibody, Unconjugated (TMAB-13594) at 1:400 overnight at 4°C, followed by a conjugated secondary at [1:500] for 90 minutes and DAPI staining of the nuclei.
	4. Blank control: Mouse heart cells (blue). Primary Antibody: Rabbit Anti-TMEM158 antibody (TMAB-13594), Dilution: 1 µg 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.
	5. Blank control: Mouse spleen cells (blue). Primary Antibody: Rabbit Anti-TMEM158 antibody (TMAB-13594), 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.

Application:	IHC-P,IHC-Fr,IF,FCM
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TMEM158
Antigen Species: Human
Gene ID: 25907
Uniprot ID: Q8WZ71

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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