Data Sheet (Cat.No.TMAB-06522)

Anti-GLRB Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 54 kDa. Actual: 56 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. 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 30 min; Antibody incubation with (GLRB) Polyclonal Antibody, Unconjugated (TMAB-06522) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 2. Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); 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 30 min; Antibody incubation with (GLRB) Polyclonal Antibody, Unconjugated (TMAB-06522) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 3. 25 ug total protein per lane of various lysates (see on figure) probed with GLRB polyclonal antibody, unconjugated (TMAB-06522) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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 GLRB
Antigen Species:	Human
Gene ID:	2743
Uniprot ID:	P48167

Research Background

GLRB (Glycine receptor beta) is a neurotransmitter-gated ion channel concentrated within the spinal cord and brainstem. Expression is also observed in several upper brain regions including the cortex, cerebellum, hippocampus and amygdala. Binding of glycine to GLRB increases the chloride conductance and thus produces hyperpolarization (inhibition of neuronal firing), controlling spinal reflexes and locomotor behavior.

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