Data Sheet (Cat.No.TMAB-06587)

Anti-GlyR alpha 1+2+3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 49 kDa. Actual: 49 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℃ for 20 min; Incubation: Anti-GlyR alpha 1/2/3 Polyclonal Antibody, Unconjugated (TMAB-06587) 1: 200, overnight at 4℃, followed by conjugation to the secondary antibody and DAB staining 2. Sample: Spinal cord (Mouse) Lysate at 40 µg Spinal cord (Rat) Lysate at 40 µg Primary: Anti-GlyR alpha 1+2+3 (TMAB-06587) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 54 kD 3. Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Mouse Testis tissue lysates Lane 4: Mouse Lung tissue lysates Lane 5: Rat Cerebrum tissue lysates Lane 6: Rat Cerebellum tissue lysates Lane 7: Rat Testis tissue lysates Lane 8: Human HeLa cell lysates Lane 9: Human A431 cell lysates Lane 10: Human SH-SY5Y cell lysates Primary: Anti-GlyR alpha 1+2+3 (TMAB-06587) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kDa Observed band size: 53 kDa
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 GlyR alpha 1
Antigen Species:	Human
Gene ID:	2741
Uniprot ID:	P23415

Research Background

Glycine receptors are members of the ligand-gated ion channel superfamily, which mediate fast inhibitory neurotransmission. The receptors are pentameric membrane proteins which form chloride channels. Binding of glycine to its receptor produces an increase in chloride conductance and membrane hyperpolarisation. Four genes encoding glycine receptor alpha subunits have been identified, together with a single beta polypeptide. Each subunit consists of a large extracellular N-terminal region, four transmembrane domains, and a large cytoplasmic domain.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481