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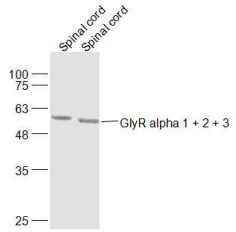
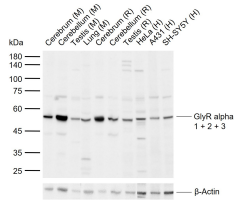
GlyR alpha 1 + 2 + 3 Rabbit pAb

Catalog Number:	bs-1524R
Target Protein:	GlyR alpha 1 + 2 + 3
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Chicken, Dog, Horse)
Predicted MW:	49 kDa
Entrez Gene:	2741
Swiss Prot:	P23415
Source:	KLH conjugated synthetic peptide derived from human GlyR alpha 1: 101-200/449.
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:	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.

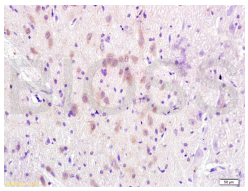
VALIDATION IMAGES



Sample: Spinal cord (Mouse) Lysate at 40 ug Spinal cord (Rat) Lysate at 40 ug Primary: Anti-GlyR alpha 1 + 2 + 3 (bs-1524R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 54 kD



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 (bs-1524R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kDa Observed band size: 53 kDa



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-GlyR alpha 1/2/3 Polyclonal Antibody, Unconjugated(bs-1524R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining