

bs-1038R**[Primary Antibody]****CHRNA4 Rabbit pAb****BioSS**
ANTIBODIES

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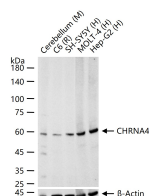
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 1137 Target: CHRNA4 Immunogen: KLH conjugated synthetic peptide derived from human CHRNA4: 151-250/627. < Cytoplasmic > Purification: affinity purified by Protein A Concentration: 1mg/ml 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: This gene encodes a nicotinic acetylcholine receptor, which belongs to a superfamily of ligand-gated ion channels that play a role in fast signal transmission at synapses. These pentameric receptors can bind acetylcholine, which causes an extensive change in conformation that leads to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type1. Polymorphisms in this gene that provide protection against nicotine addiction have been described.	Isotype: IgG SWISS: P43681	Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat Predicted MW.: 67 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with CHRNA4 polyclonal antibody, unconjugated (bs-1038R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=4.367]** Sallam MY et al. Brainstem cholinergic pathways diminish cardiovascular and neuroinflammatory actions of endotoxemia in rats: Role of NFκB/α7/α4β2AChRs signaling. Neuropharmacology. 2019 Jun 25;157:107683. IHC ;Rat. 31247270