Shanghai Acmec Biochemical Co.,Ltd.
Tel：400-900-4166 WEB：www.acmec-e.com

# Anti-CHRNA7 Rabbit Polyclonal Antibody

Cat:AC51628

## Basic information

**Source:** Rabbit

**Species reactivity:** Human Mouse Rat

**Isotype:** IgG

**Purification:** Affinity purification

**MW(kDa):**56kDa

**Swiss Prot:**P36544

**Gene ID:**1139

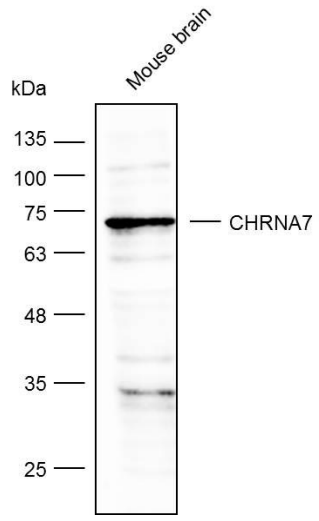
**Tested applications:** WB IHC

**Immunogen:**Recombinant protein of human CHRNA7

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Background:**

The nicotinic acetylcholine receptors (nAChRs) are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The nAChRs are thought to be hetero-pentamers composed of homologous subunits. The proposed structure for each subunit is a conserved N-terminal extracellular domain followed by three conserved transmembrane domains, a variable cytoplasmic loop, a fourth conserved transmembrane domain, and a short C-terminal extracellular region. The protein encoded by this gene forms a homo-oligomeric channel, displays marked permeability to calcium ions and is a major component of brain nicotinic receptors that are blocked by, and highly sensitive to, alpha-bungarotoxin. Once this receptor binds acetylcholine, it undergoes an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.




Western blot analysis with Anti-CHRNA7 Rabbit Polyclonal Antibody diluted at 1:1,000