



Rabbit polyclonal antibody to human nicotinic acetylcholine receptor subunit alpha-1 (22-36): Affinity purified

Catalogue No.:	R-1123-100
Description:	Upon binding of acetylcholine, the acetylcholine receptor responds by undergoing an extensive change of conformation which affects its alpha and beta subunits and leads to the opening of an ion-conducting channel across the plasma membrane. At least 2 isoforms of the alpha-1 subunit are produced from alternate splicing. Isoform 1 is only expressed in skeletal muscle whereas isoform 2 is constitutively expressed in skeletal muscle, brain, heart, kidney, liver, lung and thymus.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (EHETRLVAKLFKDYS) corresponding to a region (22-36) from the N-terminus of human nicotinic acetylcholine receptor subunit alpha-1.
Other Names:	Acetylcholine receptor subunit alpha; CHRNA1; ACHRA; CHNRA;
Accession:	P02708 ACHA_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Human acetylcholine receptor subunit alpha-1 (isoform 2) has a predicted length of 482 amino acids and MW of 55 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; rat; predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

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