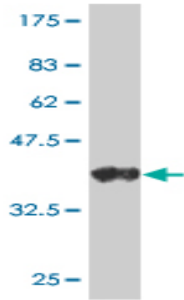


Monoclonal antibody to human neuronal acetylcholine receptor subunit alpha-4 [4E3]: IgG

Catalogue No.:	M-815-100
Description:	Neuronal acetylcholine receptor is composed of alpha and beta subunits. The Alpha-4 subunit can be combined to beta-2 or beta-4 to give rise to functional receptors. Upon binding of acetylcholine, the acetylcholine receptor responds by undergoing an extensive change of conformation affecting all its subunits and lead to the opening of an ion-conducting channel across the plasma membrane. Neuronal acetylcholine receptor subunit alpha-4 is a transmembrane protein that localises to the cell junction, synapse and post synaptic cell membrane. It belongs to the ligand-gated ionic channel family. Abnormalities in the CHRNA4 gene cause autosomal dominant nocturnal frontal lobe epilepsy type 1. This disease is characterised by clusters of motor seizures during sleep.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	This antibody was raised against a partial recombinant protein of human neuronal acetylcholine receptor subunit alpha-4 (amino acids 29 to 128) with a GST tag.
Clone:	[4E3]
Other Names:	CHRNA4
Accession:	ACHA4_HUMAN
Produced in:	Mouse
Purity:	Protein G purified immunoglobulin
Applications:	This antibody is recommended for WB and direct ELISA. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody was confirmed by WB and direct ELISA against the antigen.
Cross-reactivity:	Other species have not been tested.
Form:	Lyophilised from PBS pH 7.2
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20C for higher stability or at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for additional stability. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY

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Western blot detection of recombinant GST tagged human acetylcholine receptor subunit alpha.

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