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Product datasheet for BP2143

Nicotinic Acetylcholine Receptor alpha 7 (CHRNA7) (aa 493-502) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Has been characterized by Western blotting, ELISA, and cell staining techniques. Suitable for immunocytochemical (ABC techniques, 1/400 dilution) and western immunoblotting (tissue homogenates, 1/800 dilution, single band at 63 kDa) detection of the receptor.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide analogue of the carboxyl terminal (aa 493-502) of the human nicotinic alpha 7 receptor attached to a carrier protein.
Specificity:	Specific for the COOH terminal of nicotinic alpha 7 receptor. ***Cross-reactivity***: Nicotinic alpha 7 receptor (493-502): 100% Nicotinic alpha 7 receptor: ~85% No Cross-reactivity with Nicotinic alpha 3 receptor, Nicotinic alpha 4 receptor, Nicotinic alpha 5 receptor, Nicotinic beta 2 receptor, Nicotinic beta 3 receptor and Nicotinic beta 4 receptor.
Formulation:	State: Serum State: Lyophilized neat serum Preservative: None
Reconstitution Method:	Restore with 0.1 ml PBS containing 10 mg/ml BSA or with additional buffer for more dilute antisera.
Conjugation:	Unconjugated
Storage:	Lyophilized: Store at 2-8°C (preferably in a dessicator). Reconstituted: Aliquot and store at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cholinergic receptor nicotinic alpha 7 subunit

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Database Link: Entrez Gene 1139 Human
P36544

Background: 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. Following acetylcholine binding, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.

Synonyms: Nicotinic acetylcholine receptor subunit alpha-7, CHRNA7, NACHRA7