



# Anti-CHRNA3 (aa 450-458) polyclonal antibody (DPAB1547RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Specific for the COOH terminal of the nicotinic beta 3 receptor. This antisera has been characterized by Western blotting, ELISA, and cell staining techniques. Cross-reactivity: Nicotinic beta 3 receptor (450-458) 100% Nicotinic beta 3 receptor ~85% Nicot
<b>Immunogen</b>	Peptide analogue of the carboxyl terminal of the nicotinic beta 3 receptor (amino acids 450-458) attached to a carrier protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Not applicable
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for immunocytochemical and Western immunoblotting detection of the receptor. This antiserum has been found to stain fixed cells known to express the nicotinic beta 3 receptor using ABC techniques at a dilution of 1:50. Western immunoblots using tissue homogenates have been successful at a 1:100 dilution and yield a single band at 56 kDa. Each laboratory should determine an optimum working titer for use in its particular application.
<b>Format</b>	Neat, Lyophilized. Reconstitute with 0.1ml of PBS which contains 10mg/ml BSA or with additional buffer for more dilute antisera.
<b>Concentration</b>	Not applicable
<b>Size</b>	100 µl
<b>Buffer</b>	Not applicable

<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Lyophilized: Store at 2-8°C (preferably in a dessicator). Reconstituted: Aliquot and store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CHRNA3 cholinergic receptor, nicotinic, beta 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CHRNA3
<b>Synonyms</b>	CHRNA3; cholinergic receptor, nicotinic, beta 3; neuronal acetylcholine receptor subunit beta-3; OTTHUMP00000229136; cholinergic receptor, nicotinic, beta polypeptide 3; acetylcholine receptor, neuronal nicotinic, beta-3 subunit
<b>Entrez Gene ID</b>	<a href="#">1142</a>
<b>Protein Refseq</b>	<a href="#">NP_000740</a>
<b>UniProt ID</b>	<a href="#">Q05901</a>
<b>Chromosome Location</b>	8p11.2
<b>Pathway</b>	Acetylcholine Binding And Downstream Events; Activation of Nicotinic Acetylcholine Receptors; Highly calcium permeable nicotinic acetylcholine receptors; Highly calcium permeable postsynaptic nicotinic acetylcholine receptors; Neuroactive ligand-receptor
<b>Function</b>	acetylcholine binding; channel activity; extracellular ligand-gated ion channel activity; ion channel activity; nicotinic acetylcholine-activated cation-selective channel activity; receptor activity