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anti-CHRNA7 antibody (Extracellular, N-Term)

 $25\,\mu L$





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Quantity:

Target:	CHRNA7	
Binding Specificity:	AA 31-42, Extracellular, N-Term	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CHRNA7 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS),	
	Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide	
	Immunogen Sequence: (C)KELVKNYNPLER, corresponding to amino acid residues 31-42 of rat	
	nAChRalpha7	
Isotype:	IgG	
Characteristics:	Anti-Nicotinic Acetylcholine Receptor α7 (CHRNA7) (extracellular) Antibody (ABIN7043067,	
	ABIN7044631 and ABIN7044632)) is a highly specific antibody directed against an epitope of	
	the rat protein. The antibody can be used in western blot, immunohistochemistry,	
	immunocytochemistry, live cell imaging, and indirect flow cytometry applications. It has been	
	designed to recognize nAChRa7 from mouse, rat, and human samples.	
Purification:	Affinity purified on immobilized antigen.	

Target Details

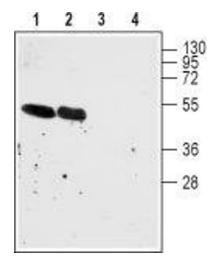
Target:	CHRNA7	
Alternative Name:	Nicotinic Acetylcholine Receptor alpha7 (CHRNA7) (CHRNA7 Products)	
Background:	Alternative names: Nicotinic Acetylcholine Receptor alpha7 (CHRNA7), nAChR alpha7, Cholinergic receptor nicotinic alpha 7, Neuronal acetylcholine receptor subunit alpha-7, ACRA7	
Gene ID:	25302	
NCBI Accession:	NM_000746	
UniProt:	Q05941	
Pathways:	Synaptic Membrane	

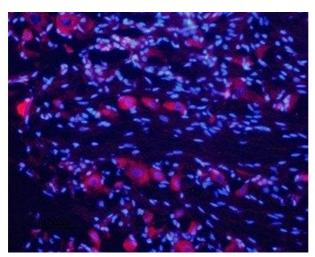
Application Details

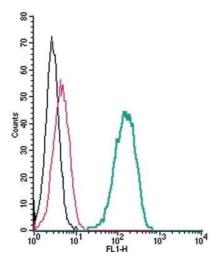
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L}$, $50~\mu\text{L}$ or $0.2~m\text{L}$ double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).







Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain cell lysates: - 1,2. Anti-Nicotinic Acetylcholine Receptor α7 (CHRNA7) (extracellular) Antibody (ABIN7043067, ABIN7044631 and ABIN7044632), (1:200).3,4. Anti-Nicotinic Acetylcholine Receptor α7 (CHRNA7) (extracellular) Antibody, preincubated with Nicotinic Acetylcholine Receptor α7/ CHRNA7 (extracellular) Blocking Peptide (#BLP-NC007).

Immunohistochemistry

Image 2. Expression of nAChRα7 in rat DRG - Immunohistochemical staining of rat dorsal root ganglion (DRG) frozen sections using Anti-Nicotinic Acetylcholine Receptor α7 (CHRNA7) (extracellular) Antibody (ABIN7043067, ABIN7044631 and ABIN7044632), (1:200). nAChRα7 (red staining) is expressed in DRG neurons. Hoechst 33342 is used as the counterstain (blue).

Flow Cytometry

Image 3. Cell surface detection of nAChR α 7 by indirect flow cytometry in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-Nicotinic Acetylcholine Receptor α 7 (CHRNA7) (extracellular) Antibody (ABIN7043067, ABIN7044631 and ABIN7044632), (2.5 μ g) + goat-anti-rabbit-FITC.

Please check the product details page for more images. Overall 4 images are available for ABIN7043067.