

Rabbit Nicotinic Acetylcholine Receptor alpha 7 Polyclonal Antibody | anti-CHRNA7 antibody

Nicotinic Acetylcholine Receptor alpha 7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31175	Rabbit	Human, Mouse, Rat	Western Blot, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

Nicotinic Acetylcholine Receptor alpha 7; Polyclonal Antibody; Nicotinic Acetylcholine Receptor alpha 7 Antibody; 7nAChR; a7 nicotinic acetylcholine receptor; acetylcholine receptor; neuronal nicotinic; alpha-7 subunit; ACHA7_HUMAN; AChR; Acra7; alpha 7 neuronal nicotinic acetylcholine receptor; alpha-7 nicotinic cholinergic receptor subunit; alpha7; cholinergic receptor; alpha polypeptide 7; nicotinic; alpha 7 (neuronal); alpha 7; CHRNA7; CHRNA7-2; NACHRA7; neuronal acetylcholine receptor protein; alpha-7 chain; Neuronal acetylcholine receptor subunit alpha-7; anti-CHRNA7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Applicable Applications for anti-CHRNA7 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	<p>WB 1:500-1:2000 IF/ICC 1:100-1:500 IHC 1:50-1:200 *The optimal dilutions should be determined by the end user.</p> <p>IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.</p>
Immunogen	A synthesized peptide derived from human Nicotinic Acetylcholine Receptor alpha 7, corresponding to a region within N-terminal amino acids.
Preparation and Storage	<p>Store at -20°C Stable for 12 months from date of receipt.</p>

IMAGES



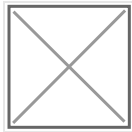
IF (Immunofluorescence)

AAA31175 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31175 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



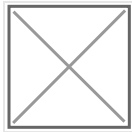
IHC (Immunohistochemistry-Paraffin)

AAA31175 at 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31175 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31175 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31175 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31175 at 1/100 staining Rat colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2506127
NCBI GeneID	1139
UniProt Accession #	P36544
Molecular Weight	56kDa, 48kDa.
NCBI Official Full Name	Neuronal acetylcholine receptor subunit alpha-7
NCBI Official Synonym Full Names	cholinergic receptor nicotinic alpha 7 subunit
NCBI Official Symbol	CHRNA7
NCBI Official Synonym Symbols	NACHRA7; CHRNA7-2
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-7
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-7
UniProt Gene Name	CHRNA7
UniProt Synonym Gene Names	NACHRA7
UniProt Entry Name	ACHA7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.