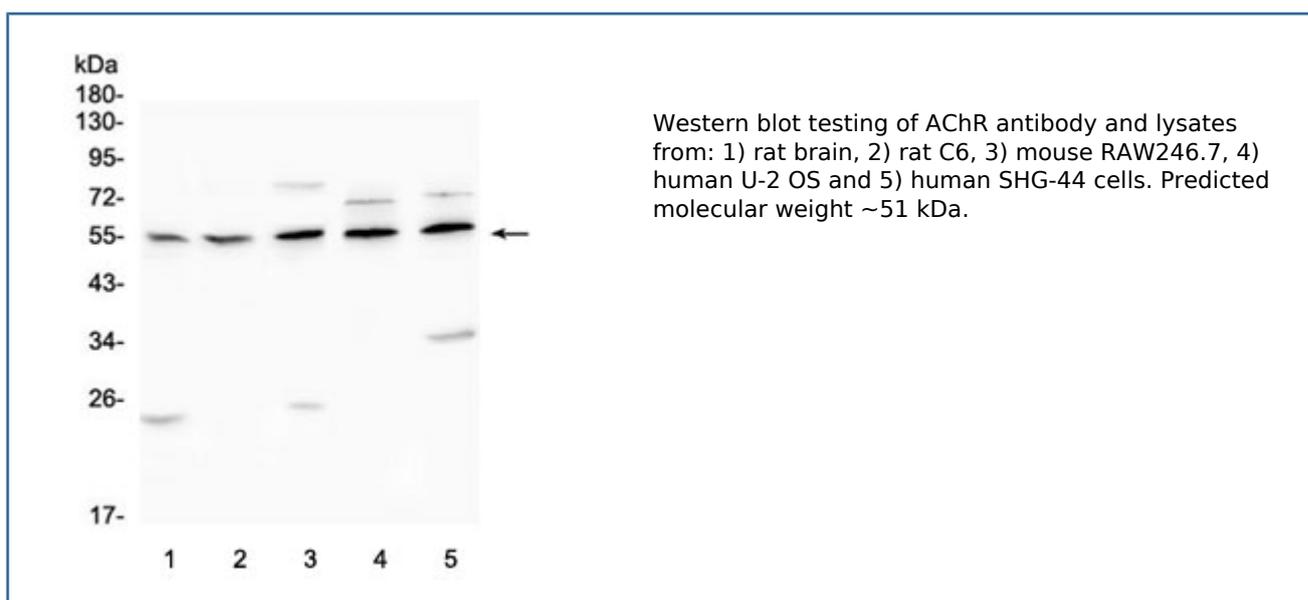


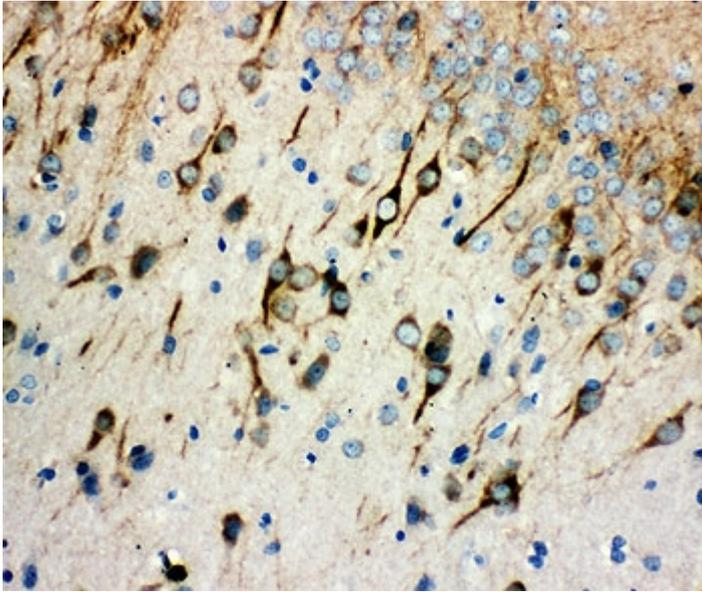
AChR Antibody (muscarinic) (R31325)

Catalog No.	Formulation	Size
R31325	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

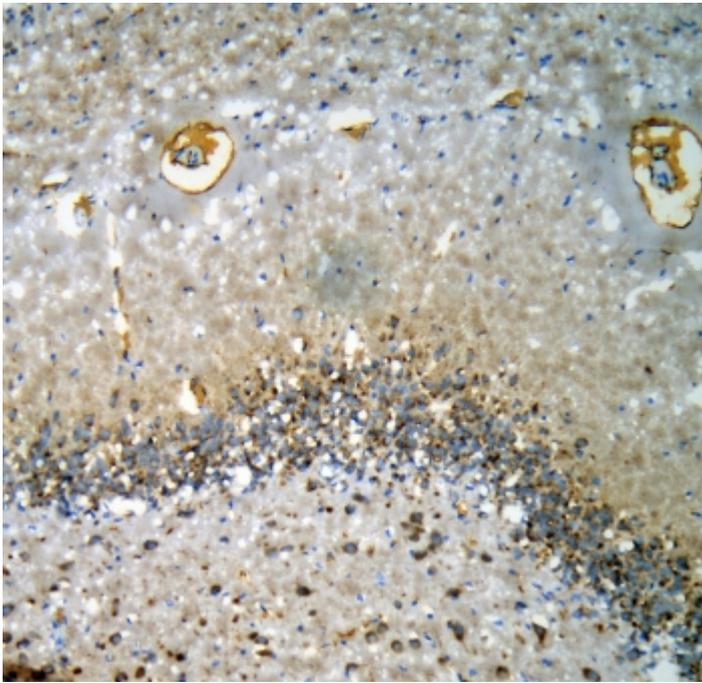
[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P11229
Applications	Western blot : 0.5-1ug/ml Immunohistochemistry (FFPE & frozen) : 1-2ug/ml Immunofluorescence/Immunocytochemistry : 2-4ug/ml
Limitations	This AChR antibody is available for research use only.

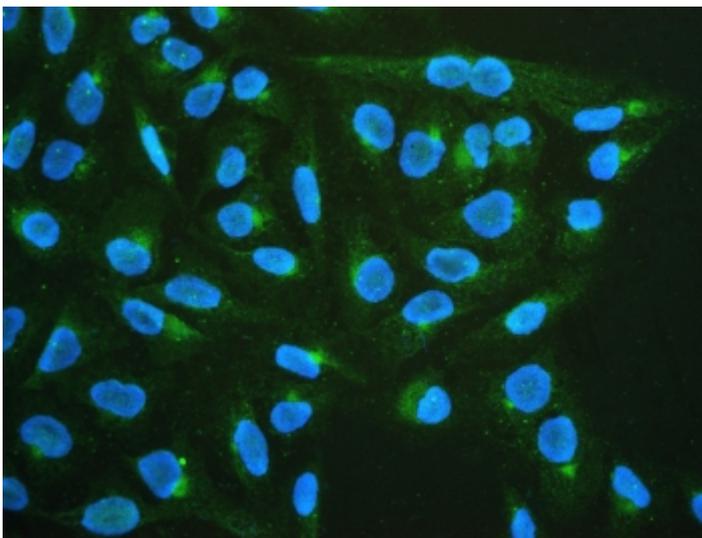




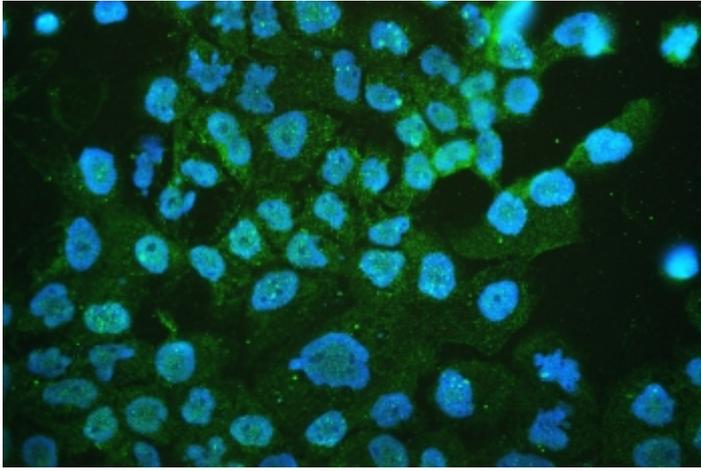
IHC staining of FFPE rat brain with AChR antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of frozen rat brain with AChR antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IF/ICC staining of FFPE human U-2 OS cells with AChR antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IF/ICC staining of FFPE human A431 cells with AChR antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

Muscarinic acetylcholine receptor 1 (CHRM1) is a muscarinic receptor. The muscarinic cholinergic receptors belong to a larger family of GPCRs. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. AChR is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract.

Application Notes

The stated application concentrations are suggested starting points. Titration of the AChR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 303-317 (KMPMVDPEAQAPTKQ-human) were used as the immunogen for this muscarinic AChR antibody (100% mouse homology).

Storage

After reconstitution, the AChR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

CHRM1