

## CHRFAM7A RABBIT PAB

**Cat.#:** S213677

**Product Name:** Anti-CHRFAM7A Rabbit Polyclonal Antibody

**Synonyms:** D-10; CHRNA7; NACHRA7; CHRNA7-DR1

**UNIPROT ID:** Q494W8 (Gene Accession - NP\_683709 )

**Background:** The nicotinic acetylcholine receptors (nAChRs) are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The family member CHRNA7, which is located on chromosome 15 in a region associated with several neuropsychiatric disorders, is partially duplicated and forms a hybrid with a novel gene from the family with sequence similarity 7 (FAM7A). Alternative splicing has been observed, and two variants exist, for this hybrid gene. The N-terminally truncated products predicted by the largest open reading frames for each variant would lack the majority of the neurotransmitter-gated ion-channel ligand binding domain but retain the transmembrane region that forms the ion channel. Although current evidence supports transcription of this hybrid gene, translation of the nicotinic acetylcholine receptor-like protein-encoding open reading frames has not been confirmed.

**Immunogen:** Synthetic peptide of human CHRFAM7A

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 25-100;WB: 500-2000;ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

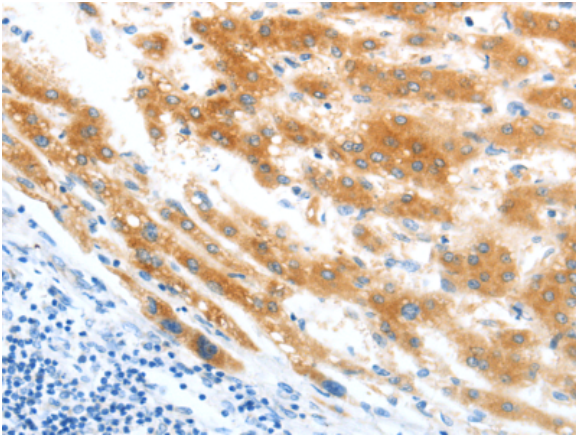
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

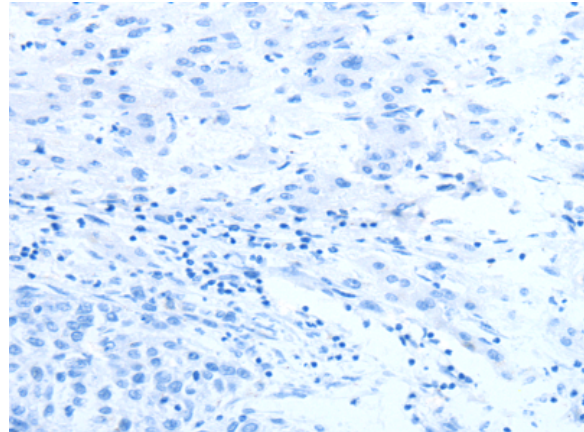
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cancer, Cardiovascular, Metabolism, Neuroscience

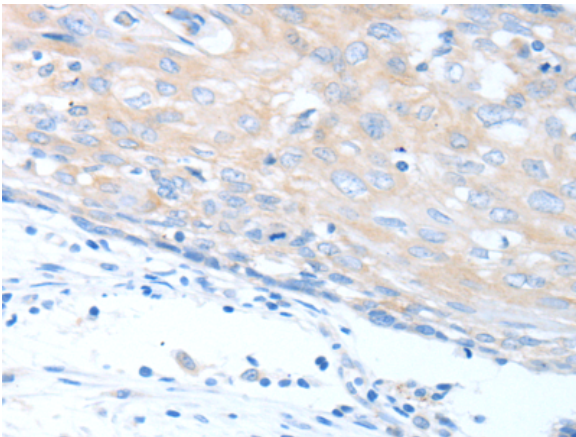
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



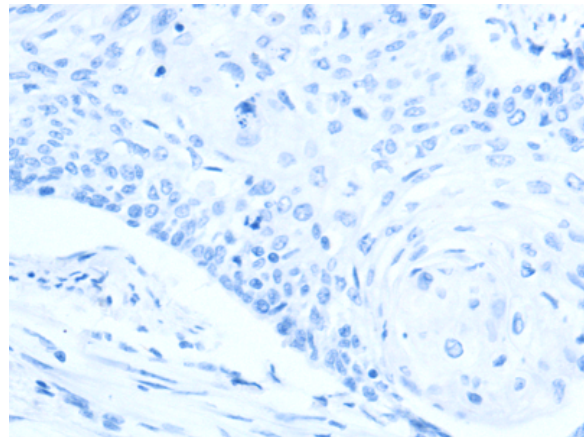
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 213677(CHR FAM7A Antibody) at a dilution of 1/40(Cytoplasm).



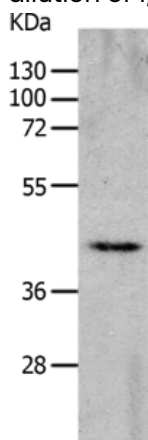
In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 213677(Anti-CHR FAM7A Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 213677(Anti-CHR FAM7A Antibody) at a dilution of 1/40.



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with synthetic peptide and then with D160647(Anti-CHR FAM7A Antibody) at dilution 1/40.



Gel: 10%SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane: Mouse heart tissue;  
Primary antibody: 213677(CHR FAM7A Antibody) at dilution 1/700;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 2 minutes



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

---