CHRFAM7A Antibody

Catalog No: #36993

Description Product Name

Host Species

Clonality

Purification



Orders: order@signalwayantibody.com Support: tech@signalwavantibodv.com

Support. tech@signalwayantibody.com

Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total CHRFAM7A protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide of human CHRFAM7A
Target Name	CHRFAM7A
Other Names	D-10; CHRNA7; CHRNA7-DR1
Accession No.	Swiss-Prot#: Q494W8NCBI Gene ID: 89832Gene Accssion: NP_683709
Uniprot	Q494W8
GeneID	89832;
SDS-PAGE MW	46kd
Concentration	1.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

Images



Gel: 10%SDS-PAGE Lysate: 40 ug Lane: Mouse heart tissue Primary antibody: (CHRFAM7A Antibody) at dilution 1/700 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 2 minutes



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #36993 at dilution 1/40.

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.

Note: This product is for in vitro research use only