Recombinant DGRmAb®

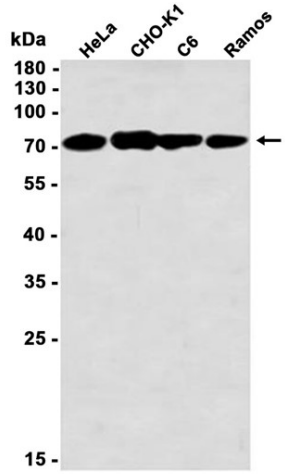
Nicotinic Acetylcholine Receptor alpha 4 (DGR31592) Rabbit mAb (PBS Only)

db13160-PBS **Package : 100μg**

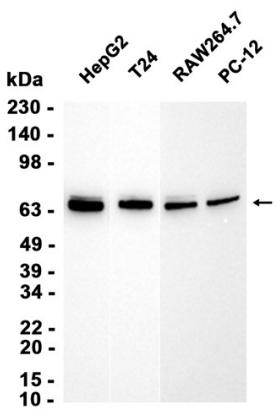
Product Name : Nicotinic Acetylcholine Receptor alpha 4 (DGR31592) Rabbit mAb (PBS Only)
Cat.No.: db13160-PBS
Synonyms : EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4
Application : WB
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes a nicotinic acetylcholine receptor, which belongs to a superfamily of ligand-gated ion channels that play a role in fast signal transmission at synapses. These pentameric receptors can bind acetylcholine, which causes an extensive change in conformation that leads to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type 1. Polymorphisms in this gene that provide protection against nicotine addiction have been described. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]
Immunogen	A synthetic peptide of human Nicotinic Acetylcholine Receptor alpha 4/CHRNA4
Gene ID	1137
Swiss Prot	P43681
Synonyms	EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4
Reactivity	Human,Mouse,Rat
Application	WB
Recommended dilution	WB: 1:2000-1:20000
Calculated MW	70 kDa
Observed MW	70 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR31592

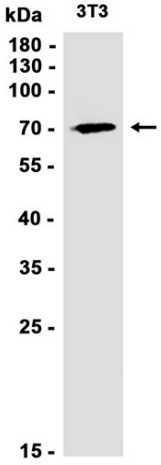
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa, CHO-K1, C6, Ramos cells using db13160 at 1:1000.



Western blot analysis of extracts from HepG2, T24, RAW264.7, PC-12 cells using db13160 at 1:5000.



Western blot analysis of extracts from 3T3 cells using db13160 at 1:1000.