

## ACHA4 Rabbit pAb

CatalogNo: YN0970

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 68kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human protein . at AA range: 300-380

**Specificity** ACHA4 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** CHRNA4 NACRA4

<b>Protein Name</b>	Neuronal acetylcholine receptor subunit alpha-4		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">1137;</a>	<a href="#">P43681;</a>
	Mouse		<a href="#">O70174;</a>
	Rat		<a href="#">P09483;</a>
<b>Cellular Localization</b>	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cell membrane ; Lipid-anchor .		
<b>Tissue specificity</b>	Brain,Hippocampus,PCR rescued clones,		
<b>Function</b>	Disease:Defects in CHRNA4 are the cause of nocturnal frontal lobe epilepsy type 1 (ENFL1) [MIM:600513]; also symbolized ADNFLE. ENFL1 is an autosomal dominant epilepsy characterized by nocturnal seizures with hyperkinetic automatisms and poorly organized stereotyped movements.,Function:After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subunit:Neuronal AChR is composed of two different types of subunits: alpha and beta. Alpha-4 subunit can be combined to beta-2 or beta-4 to give rise to functional receptors. Interacts with RIC3; which is required for proper folding and assembly.,		

| Validation Data

| Contact information

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