# Rabbit Anti-Nicotinic Acetylcholine Receptor alpha 4/CHRNA4

(100 μg/vial, Lyophilized)

## Catalog Number: BPAB2671

FOR RESEARCH USE ONLY

| | |
|---|---|
| **Product Name** | Anti-Nicotinic Acetylcholine Receptor alpha 4/CHRNA4 Antibody |
| **Reactive Species** | Human, Mouse, Rat |
| **Description** | Rabbit IgG polyclonal antibody for CHRNA4 detection. Tested with WB in Human;Mouse;Rat. |
| **Conjugate** | No |
| **Application** | WB |
| **Clonality** | Polyclonal |
| **Formulation** | Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg $Na_2HPO_4$, 0.05mg $NaN_3$. |
| **Storage Instructions** | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |
| **Host** | Rabbit |
| **Uniprot ID** | P43681 |
| **Immunogen** | A synthetic peptide corresponding to a sequence of human CHRNA4. |
| **Cross Reactivity** | No cross reactivity with other proteins. |
| **Form** | Lyophilized |
| **Concentration** | Western blot, 0.1-0.5μg/ml |

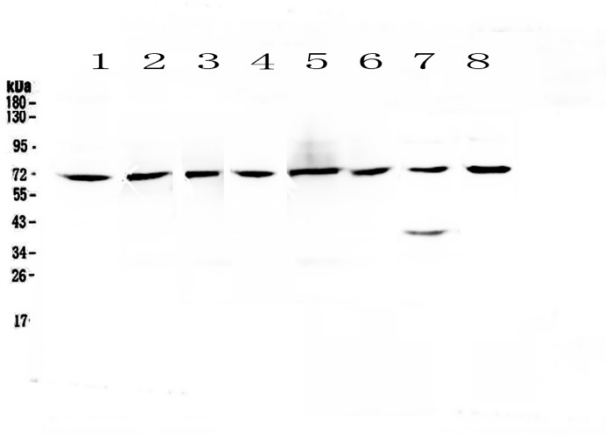


Figure 1. Western blot analysis of CHRNA4 using anti-CHRNA4 antibody.
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: human Hela cell lysate,
Lane 2: human COLO-320 cell lysate,
Lane 3: human HepG2 cell lysate,
Lane 4: human PANC-1 cell lysate,
Lane 5: human 22RV1 cell lysate,
Lane 6: human SGC-7901 cell lysate,
Lane 7: rat spleen tissue lysate,
Lane 8: mouse spleen tissue lysate.
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CHRNA4 antigen affinity purified polyclonal antibody at 0.5 μg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for CHRNA4 at approximately 70KD. The expected band size for CHRNA4 is at 70KD.