

## T-type Ca<sup>++</sup> CP $\alpha$ 1H (P492) polyclonal antibody

Catalog: BCP01683

Host: Rabbit

Reactivity: Human,Mouse,Rat

### BackGround:

Voltage-dependent Ca<sup>++</sup> channels mediate Ca<sup>++</sup> entry into excitable cells in response to membrane depolarization, and they are involved in a variety of Ca<sup>++</sup>-dependent processes, including muscle contraction, hormone or neurotransmitter release and gene expression. Calcium channels are highly diverse, multimeric complexes composed of an  $\alpha$ 1 subunit, an intracellular  $\beta$  subunit, a disulfide linked  $\alpha$ 2/ $\delta$  subunit and a transmembrane  $\gamma$  subunit. Ca<sup>++</sup> currents are characterized on the basis of their biophysical and pharmacologic properties and include L-, N-, T-, P-, Q-, and R- types. T-type Ca<sup>++</sup> currents are activated and inactivated more rapidly and at more negative membrane potentials than other Ca<sup>++</sup> current types. T-type Ca<sup>++</sup> channels enhance odor sensitivity by lowering the threshold of spike generation in olfactory receptor cells (ORCs).

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 315 kDa

### Swiss-Prot:

O95180

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

T-type Ca<sup>++</sup> CP  $\alpha$ 1H (P492) polyclonal antibody detects endogenous levels of T-type Ca<sup>++</sup> CP  $\alpha$ 1H protein.

### DATA:



Western blot (WB) analysis of T-type Ca<sup>++</sup> CP  $\alpha$ 1H (P492) pAb at 1:500 dilution

Lane1:L02 whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug)

Lane3:PC3 whole cell lysate(20ug)

Lane4:AML-12 whole cell lysate(40ug)

Lane5:H9C2 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.