

## OR4B1 polyclonal antibody

Catalog: BS61503

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

Olfactory receptors are G protein-coupled receptor proteins that localize to the cilia of olfactory sensory neurons where they display affinity for and bind to a variety of odor molecules. The genes encoding olfactory receptors comprise the largest family in the human genome. The binding of olfactory receptor proteins to odor molecules triggers a signal transduction cascade that leads to the production of cAMP via an olfactory-enriched adenylate cyclase. This event ultimately leads to transmission of action potentials to the brain and the subsequent perception of smell. OR4B1 (Olfactory receptor 4B1), also known as Olfactory receptor OR11-106, is a 309 amino acid multi-pass membrane protein that functions as an odorant receptor, effectively binding odor molecules and initiating the propagation of signals to the primary olfactory cortex.

**Product:**

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

**Molecular Weight:**

~ 34 kDa

**Swiss-Prot:**

Q8NGF8

**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:**

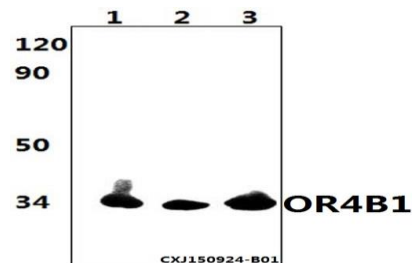
WB: 1:500~1:1000

**Storage&Stability:**

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

**Specificity:**

OR4B1 polyclonal antibody detects endogenous levels of OR4B1 protein.

**DATA:**

Western blot (WB) analysis of OR4B1 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate(30ug)

Lane2:H9C2 whole cell lysate(40ug)

Lane3:NIH-3T3 whole cell lysate(40ug)

**Note:**

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

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