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## OR10A5 Rabbit pAb

Catalog Number: bs-11631R

Target Protein: OR10A5

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Sheep, Cow, Dog, Horse)

Predicted MW: 35 kDa

Subcellular: Cell membrane

Locations:

Entrez Gene: 144124

Swiss Prot: Q9H207

Source: KLH conjugated synthetic peptide derived from human OR10A5: 231-317/317.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Olfactory receptors interact with odorant molecules in the nose to initiate a neuronal response that leads to the perception of smell. While they share a seven transmembrane domain structure with many neurotransmitter and hormone receptors, olfactory receptors are responsible for the recognition and transduction of odorant signals. OR10A2 (olfactory receptor 10A2) and OR10A5 (olfactory receptor 10A5) are multi-pass membrane proteins that belong to the G-protein coupled receptor 1 family and are encoded by genes that map to human chromosome 11p15.4. Chromosome 11 houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that map to chromosome 11.