TAAR1 Rabbit pAb

CatalogNo: YN2695

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,ELISA

MW
- 37kD (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, and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human protein . at AA range: 110-190
Specificity	TAAR1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	TAAR1 TA1 TAR1 TRAR1

Protein Name Trace amine-associated receptor 1 (TaR-1) (Trace amine receptor 1)

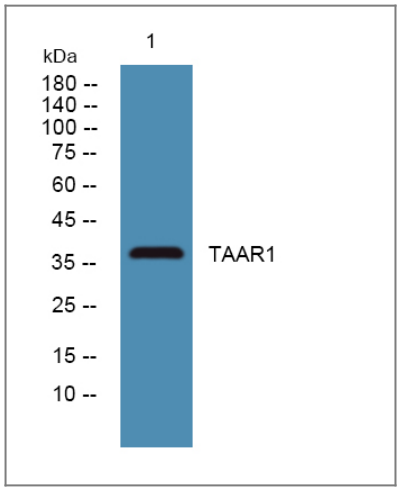
Organism	Gene ID	UniProt ID
Human	134864;	Q96RJ0;
Mouse		Q923Y8;
Rat		Q923Y9;

Cellular Localization Cell membrane; Multi-pass membrane protein.

Tissue specificity Detected in low levels in discrete regions within the central nervous system and in several peripheral tissues. Moderately expressed in stomach. Low levels in amygdala, kidney, and lung, and small intestine. Trace amounts in cerebellum, dorsal root ganglia, hippocampus, hypothalamus, liver, medulla, pancreas, pituitary, pontine reticular formation, prostate, skeletal muscle and spleen.

Function Function:Receptor for trace amines, including beta-phenylethylamine (b-PEA), p-tyramine (p-TYR), octopamine and tryptamine, with highest affinity for b-PEA and p-TYR. Unresponsive to classical biogenic amines, such as epinephrine and histamine and only partially activated by dopamine and serotonine. Trace amines are biogenic amines present in very low levels in mammalian tissues. Although some trace amines have clearly defined roles as neurotransmitters in invertebrates, the extent to which they function as true neurotransmitters in vertebrates has remained speculative. Trace amines are likely to be involved in a variety of physiological functions that have yet to be fully understood. The signal transduced by this receptor is mediated by the G(s)-class of G-proteins which activate adenylate cyclase.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Detected in low levels in discrete regions within the central nervous system and in several peripheral tissues. Moderately expressed in stomach. Low levels in amygdala, kidney, and lung, and small intestin. Trace amounts in cerebellum, dorsal root ganglia, hippocampus, hypothalamus, liver, medulla, pancreas, pituitary, pontine reticular formation, prostate, skeletal muscle, and spleen.,

Validation Data



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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