

OBP2A Rabbit pAb

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Catalog # AP57886

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NY56
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19318
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OBP2A
Epitope Specificity	101-170/170
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a small extracellular protein belonging to the lipocalin superfamily. The protein is thought to transport small, hydrophobic, volatile molecules or odorants through the nasal mucus to olfactory receptors, and may also function as a scavenger of highly concentrated or toxic odors. The protein is expressed as a monomer in the nasal mucus, and can bind diverse types of odorants with a higher affinity for aldehydes and fatty acids. This gene and a highly similar family member are located in a cluster of lipocalin genes on chromosome 9. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	29991
Other Names	Odorant-binding protein 2a, Odorant-binding protein IIa, OBPIIa, OBP2A
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	OBP2A
Function	Binds and transports small hydrophobic volatile molecules with a higher affinity for aldehydes and large fatty acids, including undecanal, palmitic acid, efficient aldehydes, benzenic aldehydes, heterocyclic aldehydes and aliphatic acids.
Cellular Location	Secreted.
Tissue Location	Strongly expressed in the nasal structures, salivary and lachrymal glands, and lung (PubMed:10607840). Expressed in the liver (PubMed:27827363).

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.