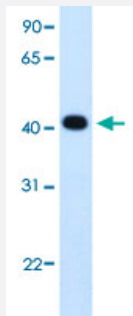


ADH4 polyclonal antibody

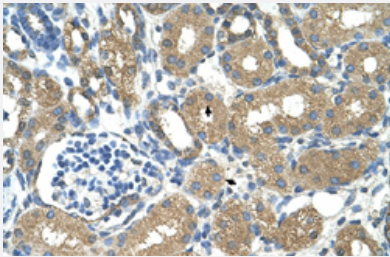
Catalog # PAB29952 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human fetal liver tissue lysate with ADH4 polyclonal antibody (Cat # PAB29952) at 1.25 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with ADH4 polyclonal antibody (Cat # PAB29952) at 4-8 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human ADH4.
Immunogen	A synthetic peptide corresponding to internal region of human ADH4.
Sequence	NSEKFVKAKALGATDCLNPRDLHKPIQEVIIELTKGGVDFALDCAGGSET
Host	Rabbit
Theoretical MW (kDa)	42
Reactivity	Human
Form	Liquid

Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (1.25 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with ADH4 polyclonal antibody (Cat # PAB29952) at 4-8 ug/mL working concentration.

Gene Info — ADH4

Entrez GeneID	127
GeneBank Accession#	NM_000670
Protein Accession#	NP_000661:P08319
Gene Name	ADH4
Gene Alias	ADH-2
Gene Description	alcohol dehydrogenase 4 (class II), pi polypeptide
Omim ID	103740
Gene Ontology	Hyperlink

Gene Summary

This gene encodes class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes. [provided by RefSeq]

Other Designations

aldehyde reductase|class II alcohol dehydrogenase 4, pi subunit

Pathway

- [1- and 2-Methylnaphthalene degradation](#)
- [3-Chloroacrylic acid degradation](#)
- [Drug metabolism - cytochrome P450](#)
- [Fatty acid metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Retinol metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Alcohol-Induced Disorders](#)
- [Alcoholism](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cluster Headache](#)
- [Disease Models](#)

- [Diseases in Twins](#)
- [Esophageal Neoplasms](#)
- [Extraversion \(Psychology\)](#)
- [Flushing](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Kidney Failure](#)
- [Parkinson disease](#)
- [Personality Inventory](#)
- [Substance-Related Disorders](#)