

DNAXPAb

Hard-to-Find
Antibody

AKR1C3 DNAXPab

Catalog # H00008644-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human AKR1C3 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MDSKHQCVKLNDGHFMPVLGFGTYAPPEVPRSKALEVTCLAIEAGFRHIDSAHLYNNEEQVGLAIRSKIADGSVKREDIFYTSKLWSTFHRPELVRPALENSLKKQAQLDYVDLYLIHSPMSLKPGEELSPTDENGKVIDFDLCTTWEAMEKCKDAGLAKSIGVSNFNRRQLEMILNKPGLKYKPCVNQVECHPYFNRSKLLDFCKSKDMLVAYSALGSQRDKRWDPNSPVLLEDPVLCALAKKHKRTPALIALRYQLQRGVVLAQSYNEQRIRQNVQVFEFQLTAEDMKAIDGLDRNLHYFNSDSFASHPNYPYSDEY
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — AKR1C3

Entrez GeneID	8644
GeneBank Accession#	NM_003739.4
Protein Accession#	NP_003730.4
Gene Name	AKR1C3
Gene Alias	DD3, DDX, HA1753, HAKRB, HAKRe, HSD17B5, KIAA0119, hluPGFS
Gene Description	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)
Omim ID	603966
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ), and the oxidation of 9alpha,11beta-PGF2 to PGD2. It may play an important role in the pathogenesis of allergic diseases such as asthma, and may also have a role in controlling cell growth and/or differentiation. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq]
Other Designations	OTTHUMP00000018996 aldo-keto reductase family 1, member C3 chlordecone reductase dihydrodiol dehydrogenase 3 dihydrodiol dehydrogenase X hydroxysteroid (17-beta) dehydrogenase 5 prostaglandin F synthase trans-1,2-dihydrobenzene-1,2-diol dehydrogenase type

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Ductus Arteriosus](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)
- [Infant](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)