DNAxPAb | Hard-to-Find Antibody

RDH12 DNAxPab

Catalog # H00145226-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human RDH12 DNA using DNAx™ Immune te chnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLVTLGLLTSFFSFLYMVAPSIRKFFAGGVCRTNVQLPGKVVVITGANTGIGKETARELASRGARVY IACRDVLKGESAASEIRVDTKNSQVLVRKLDLSDTKSIRAFAEGFLAEEKQLHILINNAGVMMCPYS KTADGFETHLGVNHLGHFLLTYLLLEQLKVSAPARVVNVSSVAHHIGKIPFHDLQSEKRYSRGFAY CHSKLANVLFTRELAKRLQGTGVTTYAVHPGVVRSELVRHSSLLCLLWRLFSPFVKTAREGAQTS LHCALAEGLEPLSGKYFSDCKRTWVSPRARNNKTAERLWNVSCELLGIRWE
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 — RDH12

Entrez GeneID	145226
GeneBank Accession#	NM_152443.1
Protein Accession#	NP_689656.1
Gene Name	RDH12
Gene Alias	FLJ30273, LCA3, SDR7C2
Gene Description	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)
Omim ID	604232 608830
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in this gene are a cause of Leber congenital amaurosis type 3 (LCA3). [provided by RefSeq
Other Designations	retinol dehydrogenase 12|retinol dehydrogenase 12, all-trans and 9-cis|short chain dehydrogenase/reductase family 7C, member 2

Pathway

- Metabolic pathways
- Retinol metabolism

Disease

- Blindness
- Leber hereditary optic neuropathy
- Optic Atrophy
- Retinal Diseases
- Retinitis Pigmentosa