



Anti-ALDH3B1 monoclonal antibody (DCABH-10488)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular gene spans about 20 kb of genomic DNA and is composed of 9 coding exons. The gene is highly expressed in kidney and lung. The functional significance of this gene as well as the cellular localization of its product are presently unknown. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Immunogen	A synthetic peptide of human ALDH3B1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ALDH3B1 aldehyde dehydrogenase 3 family, member B1 [Homo sapiens]
Official Symbol	ALDH3B1
Synonyms	ALDH3B1; aldehyde dehydrogenase 3 family, member B1; ALDH7; aldehyde dehydrogenase family 3 member B1; aldehyde dehydrogenase 3B1; aldehyde dehydrogenase 7; ALDH4; FLJ26433; FLJ34710;
Entrez Gene ID	221
Protein Refseq	NP_000685
UniProt ID	A0A024R5D8
Chromosome Location	11q13
Pathway	Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	3-chloroallyl aldehyde dehydrogenase activity; aldehyde dehydrogenase [NAD(P)+] activity; oxidoreductase activity;