



Anti-ALDH8A1 monoclonal antibody (DCABH-10489)

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

PRODUCT INFORMATION

Antigen Description	This protein belongs to the aldehyde dehydrogenases family of proteins. It plays a role in a pathway of 9-cis-retinoic acid biosynthesis in vivo. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. Therefore, it is the first known aldehyde dehydrogenase to show a preference for 9-cis-retinal relative to all-trans-retinal. Two transcript variants encoding distinct isoforms have been identified for this gene.
Immunogen	A synthetic peptide of human ALDH8A1 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	ALDH8A1 aldehyde dehydrogenase 8 family, member A1 [Homo sapiens]
Official Symbol	ALDH8A1
Synonyms	ALDH8A1; aldehyde dehydrogenase 8 family, member A1; aldehyde dehydrogenase family 8 member A1; ALDH12; aldehyde dehydrogenase 12; aldehyde dehydrogenase family protein; DJ352A20.2; MGC138650; DKFZp779D2315;
Entrez Gene ID	64577
Protein Refseq	NP_001180409
UniProt ID	Q9H2A2
Chromosome Location	6q24.1-q25.1
Function	oxidoreductase activity; retinal dehydrogenase activity;