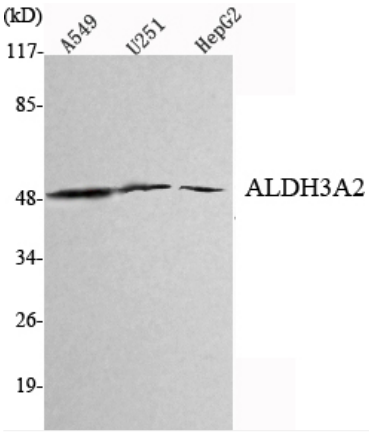
ALDH3A2 Monoclonal Antibody

Catalog No	BYab-02345
Isotype	IgG
Reactivity	Human;Mouse;Rat;Rabbit
Applications	WB
Gene Name	ALDH3A2
Protein Name	Fatty aldehyde dehydrogenase
Immunogen	Purified recombinant human ALDH3A2 protein fragments expressed in E.coli.
Specificity	ALDH3A2 Monoclonal Antibody detects endogenous levels of ALDH3A2 protein.
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/1000 - 1/2000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALDH3A2; ALDH10; FALDH; Fatty aldehyde dehydrogenase; Aldehyde dehydrogenase 10; Aldehyde dehydrogenase family 3 member A2; Microsomal aldehyde dehydrogenase
Observed Band	
Cell Pathway	Microsome membrane ; Single-pass membrane protein . Endoplasmic reticulum membrane ; Single-pass membrane protein ; Cytoplasmic side .
Tissue Specificity	Detected in liver (at protein level).
Function	catalytic activity:An aldehyde + NAD(+) + H(2)O = an acid + NADH.,disease:Defects in ALDH3A2 are the cause of Sjoegren-Larsson syndrome (SLS) [MIM:270200]. SLS is an autosomal recessive neurocutaneous disorder characterized by a combination of severe mental retardation, spastic di- or tetraplegia and congenital ichthyosis (increased keratinization). Ichthyosis is usually evident at birth, neurologic symptoms appear in the first or second year of life. Most patients have an IQ of less than 60. Additional clinical features include glistening white spots on the retina, seizures, short stature and speech defects.,function:Catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acids. Active on a variety of saturated and unsaturated aliphatic aldehydes

	between 6 and 24 carbons in length.,similarity:Belongs to the aldehyde dehydrogenase family.,
Background	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This gene product catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acid. Mutations in the gene cause Sjogren-Larsson syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using ALDH3A2 Monoclonal Antibody against A549, U251, HepG2 cell lysate.