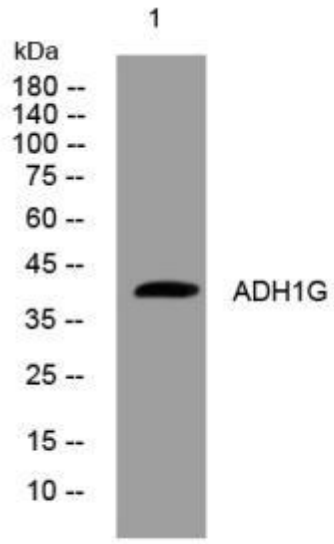
ADH1G mouse mAb

Catalog No	YP-mAb-08675
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	ADH1C ADH3
Protein Name	ADH1G
Immunogen	Synthesized peptide derived from human ADH1G AA range: 185-235
Specificity	This antibody detects endogenous levels of ADH1G at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serumby affinity-chromatography using specific immunogen.
Dilution	WB 1：500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	41kD
Cell Pathway	Cytoplasm.
Tissue Specificity	
Function	catalytic activity:An alcohol + NAD(+) = an aldehyde or ketone + NADH.,cofactor:Binds 2 zinc ions per subunit.,miscellaneous:There are 7 different ADH's isozymes in human: three belongs to class-I: alpha, beta, and gamma, one to class-II: pi, one to class-III: chi, one to class-IV: ADH7 and one to class-V: ADH6.,polymorphism:Three alleles are known: ADH1B*1 (ADH2*1) corresponding to variant beta-1, ADH1B*2 (ADH2*2) corresponding to variant beta-2, ADH1B*3 (ADH2*3) corresponding to variant beta-3. The sequence shown is that of allele ADH1B*1. The ADH1B*2 allele frequency in orientals is approximately 75%, whereas it is less than 5% in most Caucasian populations.,polymorphism:Two main alleles are known, ADH3*1 or gamma-1 has Arg-272/Ile-350 while ADH3*2 or gamma-2 has Gln-272/Val-350. ADH3*1 is associated with a fast rate of ethanol oxidation and ADH3*2 with a slow rate.,similarity:Belongs
Background	This gene encodes class I alcohol dehydrogenase, gamma subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family

	metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class I alcohol dehydrogenase, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster. [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 of lysates from Hela cells, primary antibody was diluted at 1:1000, 4°over night