ELK Biotechnology

ADH7 rabbit pAb

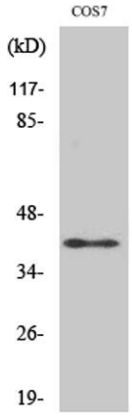
Cat No.:ES1608

For research use only

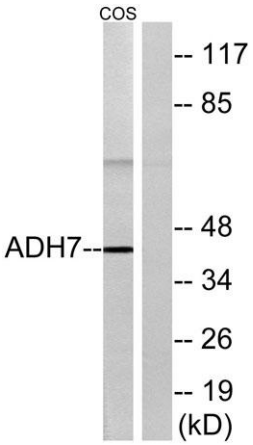
Overview

Product Name	ADH7 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Monkey
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ADH7. AA range:211-260
Specificity	ADH7 Polyclonal Antibody detects endogenous levels of ADH7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Alcohol dehydrogenase class 4 mu/sigma chain
Gene Name	ADH7
Cellular localization	Cytoplasm.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	131
Human Swiss-Prot Number	P40394
Alternative Names	ADH7; Alcohol dehydrogenase class 4 mu/sigma chain; Alcohol dehydrogenase class IV mu/sigma chain; Gastric alcohol dehydrogenase; Retinol dehydrogenase
Background	This gene encodes class IV alcohol dehydrogenase 7 mu or sigma subunit, which is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates,

including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. The enzyme encoded by this gene is inefficient in ethanol oxidation, but is the most active as a retinol dehydrogenase; thus it may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. The expression of this gene is much more abundant in stomach than liver, thus differing from the other known gene family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009],



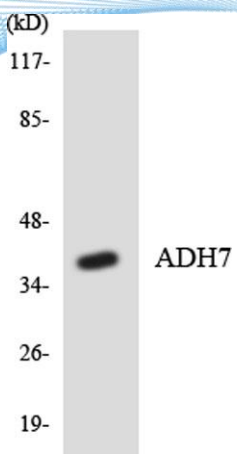
Western Blot analysis of various cells using ADH7 Polyclonal Antibody



Western blot analysis of lysates from COS7 cells, using ADH7 Antibody. The lane on the right is blocked with the synthesized peptide.

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com
23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C

ELK Biotechnology



Western blot analysis of the lysates from HeLa cells using ADH7 antibody.

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C