

产品名称: ADH7 Rabbit Polyclonal Antibody
产品货号: APRab06629



产品概述 (Summary)

产品名称 (Production Name)	ADH7 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ADH7
别名 (Alternative Names)	ADH7; Alcohol dehydrogenase class 4 mu/sigma chain; Alcohol dehydrogenase class IV mu/sigma chain; Gastric alcohol dehydrogenase; Retinol dehydrogenase
基因 ID (Gene ID)	131.0
蛋白 ID (SwissProt ID)	P40394.The antiserum was produced against synthesized peptide derived from human ADH7. AA range:211-260

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	40kDa

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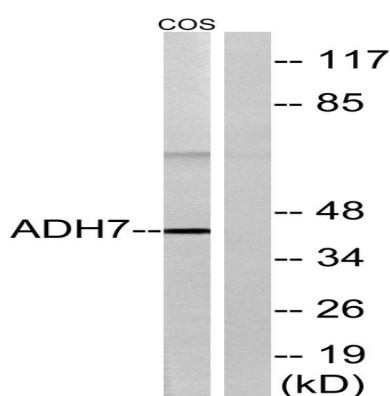
研究背景 (Background)

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], catalytic activity: An alcohol + NAD(+) = an aldehyde or ketone + NADH., cofactor: Binds 2 zinc ions per subunit., cofactor: Zinc., function: Could function in retinol oxidation for the synthesis of retinoic acid, a hormone important for cellular differentiation. Medium-chain (octanol) and aromatic (m-nitrobenzaldehyde) compounds are the best substrates. Ethanol is not a good substrate but at the high ethanol concentrations reached in the digestive tract, it plays a role in the ethanol oxidation and contributes to the first pass ethanol metabolism., 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., similarity: Belongs to the zinc-containing alcohol dehydrogenase family. Class-IV subfamily., subunit: Homodimer., tissue specificity: Preferentially expressed in stomach.,

研究领域 (Research Area)

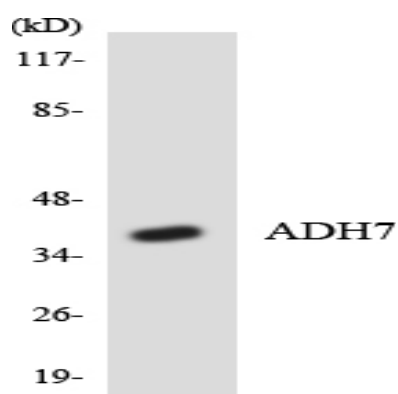
Glycolysis / Gluconeogenesis; Fatty acid metabolism; Tyrosine metabolism; Retinol metabolism; Metabolism of xenobiotics by cytochrome P450; Drug metabolism;

图片 (Image Data)

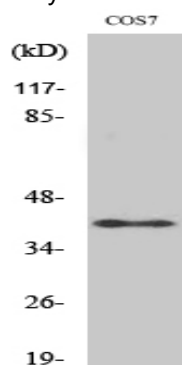


Western blot analysis of lysates from COS7 cells, using ADH7 Antibody. The lane on the right is blocked with the synthesized peptide.

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



Western Blot analysis of various cells using ADH7 Polyclonal Antibody

注意事项 (Note)

For research use only .