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DHDH Rabbit pAb

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Catalog # AP55512

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9UQ10
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36382
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DHDH
Epitope Specificity	281-334/334
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes an enzyme that belongs to the family of dihydrodiol dehydrogenases, which exist in multiple forms in mammalian tissues and are involved in the metabolism of xenobiotics and sugars. These enzymes catalyze the NADP1-linked oxidation of transdihydrodiols of aromatic hydrocarbons to corresponding catechols. This enzyme is a dimeric dihydrodiol dehydrogenase, and it differs from monomeric dihydrodiol dehydrogenases in its high substrate specificity for trans-dihydrodiols of aromatic hydrocarbons in the oxidative direction. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	27294
Other Names	Trans-1, 2-dihydrobenzene-1, 2-diol dehydrogenase, 1.3.1.20, D-xylose 1-dehydrogenase, D-xylose-NADP dehydrogenase, 1.1.1.179, Dimeric dihydrodiol dehydrogenase, Hum2DD, DHDH, 2DD
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

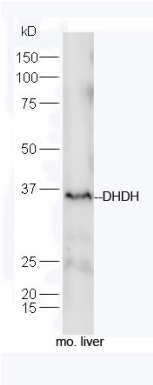
Protein Information

Name	DHDH (HGNC:17887)
Synonyms	2DD
Function	Catalyzes the NADP(+)-linked oxidation of trans-dihydrodiols of aromatic hydrocarbons to the corresponding catechols. It also catalyzes the oxidation of several pentoses and hexoses. In the reverse reaction in the presence of NADPH, it acts as NADPH-linked reductase on a broad range of substrates including aldehydes, chetones, and alpha- dicarbonyl compounds such as 3-deoxyglucosone, camphorquinone and methylglyoxal.
Tissue Location	Small intestine..

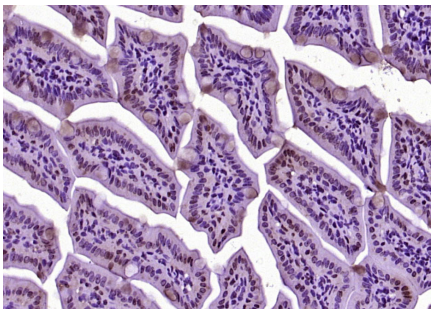
Background

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Images



Protein: liver(mouse) lysate at 30ug;
Primary: rabbit Anti-DHDH (AP55512) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(AP55512-HRP) at 1: 5000;
Predicted band size: 36 kD
Observed band size: 36 kD



Paraformaldehyde-fixed, paraffin embedded (mouse intestine tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DHDH) Polyclonal Antibody, Unconjugated (AP55512) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.