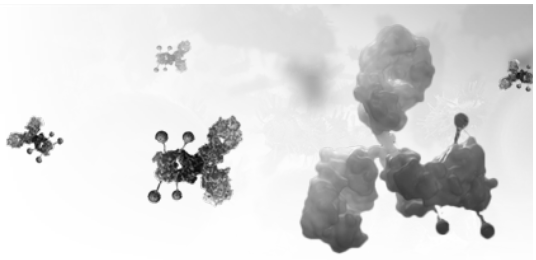

Mouse anti-Human DHRS9 monoclonal antibody, clone 4F4 (CABT-B10092)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	DHRS9 (AAH58883, 1 a.a. ~ 320 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4F4
Conjugate	Unconjugated
Applications	WB,IP,sELISA,ELISA
Sequence Similarities	MLFWVLGLLILCGFLWTRKGKLKIEDITDKYIFITGCDSGFGNLAARTFDKKGFHVIAAC LTESGSTALKAETSERLRTVLLDVTDPENVKRTAQWVKNQVGEKGLWGLINNAGVPGVLA PTDWLTLEDYREPIEVNLFGLISVTLNMLPLVKKAQGRVINVSSVGGRLAIVGGGYTPSK YAVEGFNDSLRRDMKAFGVHVSCIEPGLFKTNLADPVKVIEKKLAIWEQLSPDIKQQYGE GYIEKSLDKLKGNKS
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Introduction	This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. This protein demonstrates oxidoreductase activity toward hydroxysteroids and is able to convert 3-alpha-tetrahydroprogesterone to dihydroxyprogesterone and 3-alpha-androstanediol to dihydroxyprogesterone in the cytoplasm, and may additionally function as a transcriptional repressor in the nucleus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Keywords	DHRS9; dehydrogenase/reductase (SDR family) member 9; RDHL; RDH15; RDH-E2; RDHTBE; SDR9C4; RDH-TBE; RETSDR8; 3ALPHA-HSD; 3-alpha-HSD; dehydrogenase/reductase SDR family member 9; retinol dehydrogenase homolog; 3-alpha hydroxysteroid dehydrogenase; short-chain dehydrogenase/reductase retSDR8; NADP-dependent retinol dehydrogenase/reductase; short chain dehydrogenase/reductase family 9C, member 4; tracheobronchial epithelial cell-specific retinol dehydrogenase;

GENE INFORMATION

Entrez Gene ID	10170
UniProt ID	Q9BPW9
Pathway	Metabolic pathways, organism-specific biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem
Function	alcohol dehydrogenase (NAD) activity; binding; oxidoreductase activity; racemase and epimerase activity; retinol dehydrogenase activity; testosterone dehydrogenase (NAD+) activity

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