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DHRS3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9188c

Product Information

Application	WB, E
Primary Accession	O75911
Other Accession	O77769
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23762
Calculated MW	33548
Antigen Region	85-113

Additional Information

Gene ID	9249
Other Names	Short-chain dehydrogenase/reductase 3, DD831, Retinal short-chain dehydrogenase/reductase 1, retSDR1, DHRS3
Target/Specificity	This DHRS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-113 amino acids from the Central region of human DHRS3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DHRS3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DHRS3
Synonyms	RDH17, SDR16C1

Function	Catalyzes the reduction of all-trans-retinal to all-trans- retinol in the presence of NADPH (PubMed:9705317). It limits excessive synthesis of all-trans retinoic acid (RA) from all-trans-retinal (PubMed:40519748).
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Widely expressed with highest levels found in heart, placenta, lung, liver, kidney, pancreas, thyroid, testis, stomach, trachea and spinal cord. Lower levels found in skeletal muscle, intestine and lymph node. No expression detected in brain. In the retina, expressed in cone but not rod outer segments

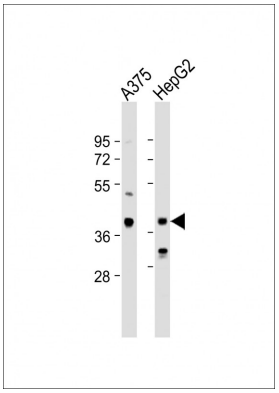
Background

DHRS3 catalyze the oxidation/reduction of a wide range of substrates, including retinoids and steroids.

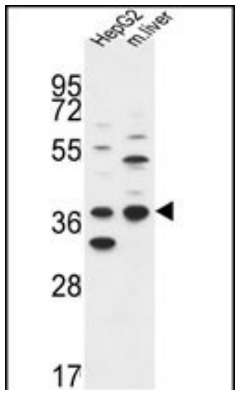
References

Persson,B., et.al., Chem. Biol. Interact. 178 (1-3), 94-98 (2009)
Roni,V., et.al., BMC Genomics 8, 42 (2007)

Images

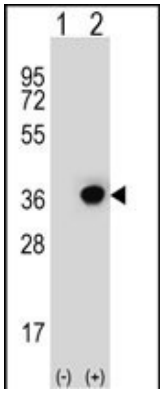


All lanes : Anti-DHRS3 Antibody (Center) at 1:1000 dilution Lane 1: A375 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



DHRS3 Antibody (Center) (Cat. #AP9188c) western blot analysis in HepG2 cell line and mouse liver tissue lysates (35ug/lane).This demonstrates the DHRS3 antibody detected the DHRS3 protein (arrow).

Western blot analysis of DHRS3 (arrow) using rabbit polyclonal DHRS3 Antibody (Center) (Cat. #AP9188c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DHRS3 gene.



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