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DHRS3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9188c

Specification

DHRS3 Antibody (Center) - Product Information

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

DHRS3 Antibody (Center) - 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

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.

DHRS3 Antibody (Center) - Protein Information

Name DHRS3

Synonyms RDH17, SDR16C1

Function Catalyzes the reduction of all-trans-retinal to all-trans- retinol in the presence of NADPH.

Cellular Location
Membrane; Multi-pass membrane protein

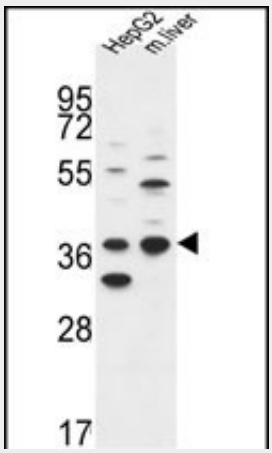
Tissue Location
Widely expressed with highest levels found in heart, placenta, lung, liver, kidney, pancreas, thyroid, testis, stomach, trachea and spinal cord. Lower levels found in skeletal muscle, intestine and lymph node. No expression detected in brain. In the retina, expressed in cone but not rod outer segments

DHRS3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

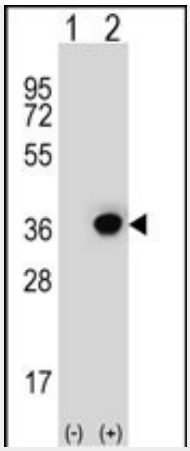
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DHRS3 Antibody (Center) - Images

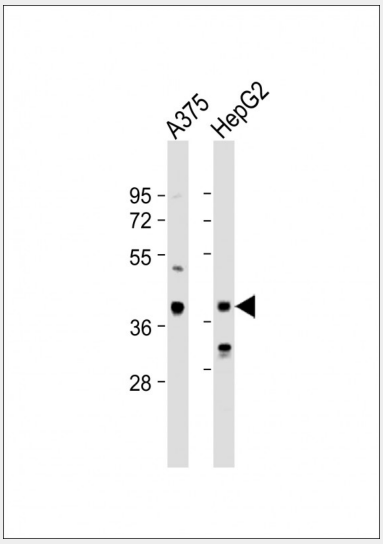


DHRS3 Antibody (Center) (Cat. #AP9188c) western blot analysis in HepG2 cell line and mouse liver tissue lysates (35ug/lane).This demonstrates the DHRS3 antibody detected the DHRS3 protein (arrow).

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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.



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) - Background

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

DHRS3 Antibody (Center) - References

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