

ARG41272 anti-DHRS9 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DHRS9
Tested Reactivity	Hu
Predict Reactivity	Hu, Ms, Rat, Cow, Dog, Gpig, Hrs, Rb
Tested Application	IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DHRS9
Species	Human
Immunogen	Synthetic peptide around the middle region of Human DHRS9. (within the following region: DPVKVIEKKLAIWEQLSPDIKQQYGEGYIEKSLDKLGKNSYVNMDLSPV)
Conjugation	Un-conjugated
Alternate Names	Tracheobronchial epithelial cell-specific retinol dehydrogenase; 3-alpha-HSD; Short-chain dehydrogenase/reductase retSDR8; RDH-TBE; NADP-dependent retinol dehydrogenase/reductase; 3-alpha hydroxysteroid dehydrogenase; Dehydrogenase/reductase SDR family member 9; RDH15; RDHL; RDH-E2; RETSDR8; Short chain dehydrogenase/reductase family 9C member 4; Retinol dehydrogenase 15; RDHTBE; EC 1.1.1.-.; SDR9C4; 3ALPHA-HSD

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 93%; Dog: 93%; Guinea pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 92%; Rat: 100%						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>IP</td><td>Assay-dependent</td></tr> <tr> <td>WB</td><td>0.2 - 1 µg/ml</td></tr> </table>	Application	Dilution	IP	Assay-dependent	WB	0.2 - 1 µg/ml
Application	Dilution						
IP	Assay-dependent						
WB	0.2 - 1 µg/ml						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	THP-1						
Observed Size	~ 32 kDa						

Properties

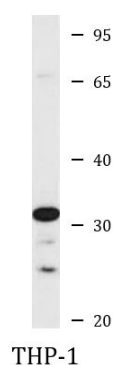
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.

Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DHRS9
Gene Full Name	dehydrogenase/reductase (SDR family) member 9
Background	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-androstenediol 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]
Function	3-alpha-hydroxysteroid dehydrogenase that converts 3-alpha-tetrahydroprogesterone (allopregnanolone) to dihydroxyprogesterone and 3-alpha-androstenediol to dihydroxyprogesterone. May play a role in the biosynthesis of retinoic acid from retinaldehyde, but seems to have low activity with retinoids. Can utilize both NADH and NADPH. [UniProt]
Calculated Mw	35 kDa
Cellular Localization	Microsome membrane. Endoplasmic reticulum membrane. Note=Associated with microsomal membranes. [UniProt]

Images



ARG41272 anti-DHRS9 antibody WB image

Western blot: THP-1 cell lysate stained with ARG41272 anti-DHRS9 antibody at 0.2 - 1 µg/ml dilution.