



# DHRS9 Polyclonal Antibody

<b>Catalog No</b>	BYab-05513
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	DHRS9 UNQ835/PRO1773
<b>Protein Name</b>	Dehydrogenase/reductase SDR family member 9 (EC 1.1.-.-) (3-alpha hydroxysteroid dehydrogenase) (3-alpha-HSD) (NADP-dependent retinol dehydrogenase/reductase) (RDH-E2) (RDHL) (Short-chain dehydrogenas
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	DHRS9 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	35kD
<b>Cell Pathway</b>	Microsome membrane . Endoplasmic reticulum membrane . Associated with microsomal membranes.
<b>Tissue Specificity</b>	Highly expressed in trachea and epidermis. Detected at lower levels in spinal cord, bone marrow, brain, tongue, esophagus, heart, colon, testis, placenta, lung, skeletal muscle and lymph node.
<b>Function</b>	function:3-alpha-hydroxysteroid dehydrogenase that converts 3-alpha-tetrahydroprogesterone (allopregnanolone) to dihydroprogesterone and 3-alpha-androstanediol to dihydroprogesterone. 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.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,subcellular location:Associated with microsomal membranes.,subunit:Homotetramer.,tissue specificity:Highly expressed in trachea and epidermis. Detected at lower levels in spinal cord, bone marrow, brain, tongue, esophagus, heart, colon, testis,

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placenta, lung, skeletal muscle and lymph node.,

### 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-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],

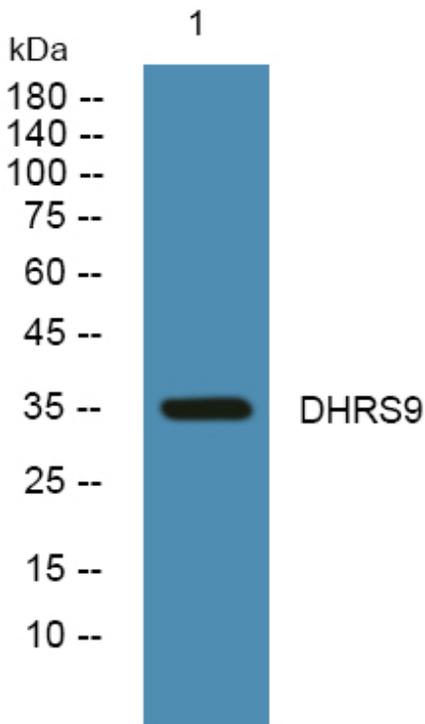
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night