
DHRS2 Rabbit pAb

Catalog Number: bs-10771R

Target Protein: DHRS2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 27 kDa

Subcellular Nucleus

Locations:

Entrez Gene: 10202

Swiss Prot: Q13268

Source: KLH conjugated synthetic peptide derived from human DHRS2: 61-160/258.

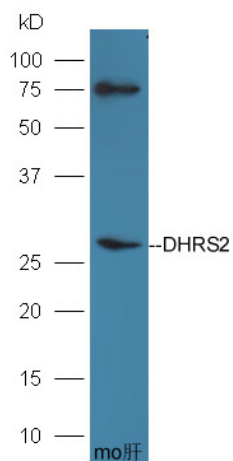
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

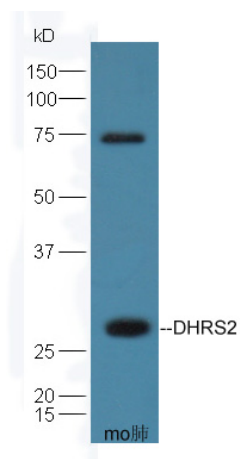
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: DHRS2 is a 258 amino acid protein that localizes to the nucleus and belongs to the short-chain dehydrogenase/reductase (SDR) family. Functioning as an NADPH-dependent dicarbonyl reductase, DHRS2 is thought to inhibit cell replication by either converting cortisone in cortisol, or by catalyzing the oxidation of androgen and estrogen. The gene encoding DHRS2 maps to human chromosome 14, which houses over 700 genes and comprises nearly 3.5% of the human genome. Chromosome 14 encodes the presenilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease (AD). The SERPINA1 gene is also located on chromosome 14 and, when defective, leads to the genetic disorder α -antitrypsin deficiency, which is characterized by severe lung complications and liver dysfunction.

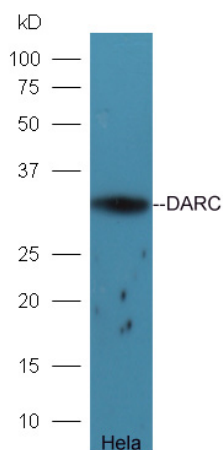
VALIDATION IMAGES



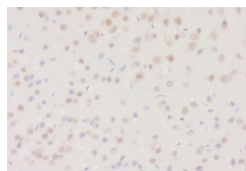
Protein: liver(mouse) lysates at 30 ug; Primary: Anti-DHRS2 (bs-10771R) at 1:300; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G) at 1: 3000; ECL excited the fluorescence; Predicted band size : 27 kD
Observed band size : 27/75 kD



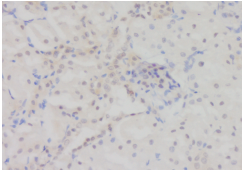
Protein: lung(mouse) lysates at 40ug; Primary: Anti-DHRS2 (bs-10771R) at 1:300; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G-HRP) at 1: 5000; ECL excited the fluorescence; Predicted band size :27 kD
Observed band size :27 kD



Protein: HeLa(human) lysates at 40ug; Primary: rabbit Anti-DARC (bs-10771R) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000; Predicted band size:27 kD Observed band size: 30 kD



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-DHRS Polyclonal Antibody, Unconjugated(bs-10771R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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