

## Rabbit Anti-Phospho-HSD17B13 (Ser33)antibody

SL22308R

<b>Product Name</b>	Phospho-HSD17B13 (Ser33)
<b>Chinese Name</b>	磷酸化 17 $\beta$ 羟基类固醇脱氢酶 13 抗体
<b>Alias</b>	HSD17B13(phospho S33); HSD17B13(phospho Ser33); phospho-HSD17B13(S33); p-HSD17B13(Ser33); 17-beta-HSD 13; 17-beta-hydroxysteroid dehydrogenase 13; DHB13_HUMAN; HMFN0376; Hsd17b13; SCDR9; Short-chain dehydrogenase/reductase 9; UNQ497/PRO1014.
<b>Product Type</b>	Phosphorylated anti
<b>Research Area</b>	Cell biology Signal transduction The new supersedes the old Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human
<b>Applications</b>	WB=1:500-2000,Flow-Cyt=1ug/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	34kDa
<b>Cellular localization</b>	Secretory protein
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthesised phosphopeptide derived from human HSD17B13 around the phosphorylation site of Ser33
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

## PubMed

### [PubMed](#)

17 beta-HSD13 (17 beta hydroxysteroid dehydrogenase type 13), also designated Short-chain dehydrogenase/reductase 9 (SCDR9), belongs to the 17 beta-HSD family of proteins, which regulate the availability of steroids within various tissues throughout the body. 17 beta-HSD13 is a 300 amino acid secreted protein that is highly expressed in liver and is also detected in ovary, bone marrow, kidney, brain, lung, skeletal muscle, bladder and testis. The gene encoding 17 beta-HSD13 maps to chromosome 4, which houses nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes. Defects in some of the genes located on chromosome 4 are associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

### **Function:**

Highly expressed in the liver. Also detected in ovary, bone marrow, kidney, brain, lung, skeletal muscle, bladder and testis.

### **Subcellular Location:**

Secreted.

## Product Detail

### **Similarity:**

Belongs to the short-chain dehydrogenases/reductases (SDR) family.

### **SWISS:**

Q7Z5P4

### **Gene ID:**

345275

### **Database links:**

[Entrez Gene: 345275](#) Human

[Entrez Gene: 243168](#) Mouse

[Entrez Gene: 305150](#) Rat

[Omim: 612127](#) Human

[SwissProt: Q7Z5P4](#) Human

[SwissProt: Q8VCR2](#) Mouse

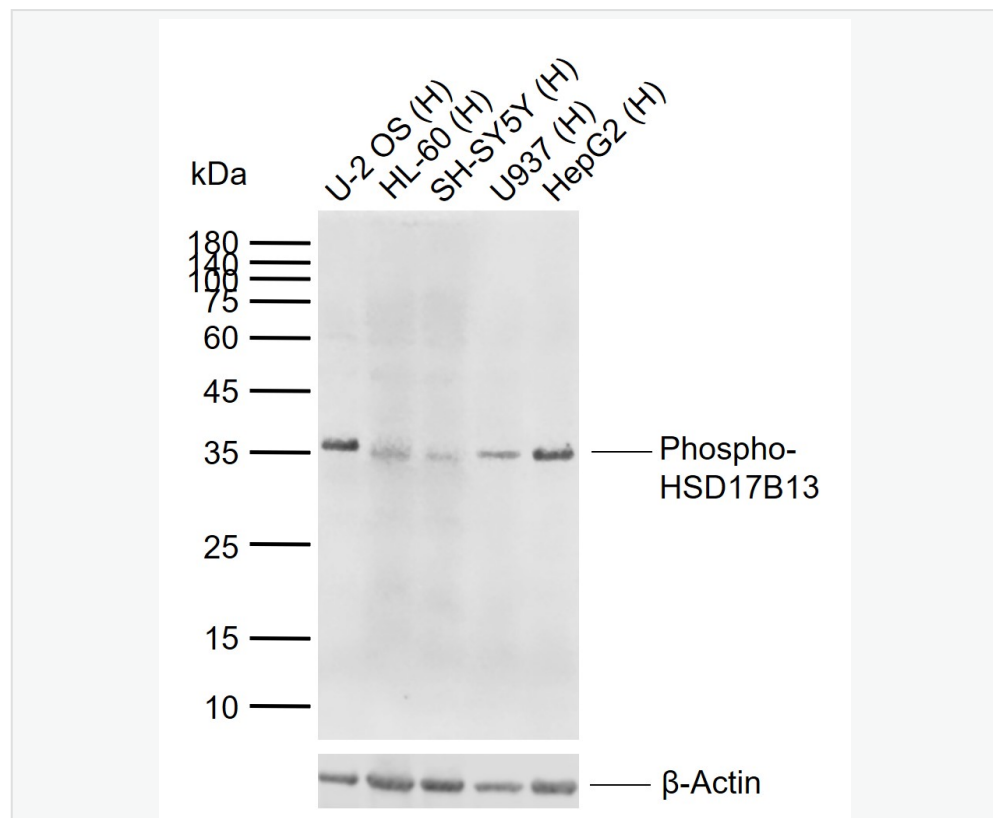
[SwissProt: Q5M875](#) Rat

[Unigene: 284414](#) Human

[Unigene: 284944](#) Mouse

[Unigene: 25104](#) Rat

**Product Picture**



Sample:

Lane 1: Human U-2 OS cell lysates

Lane 2: Human HL-60 cell lysates

Lane 3: Human SH-SY5Y cell lysates

Lane 4: Human U937 cell lysates

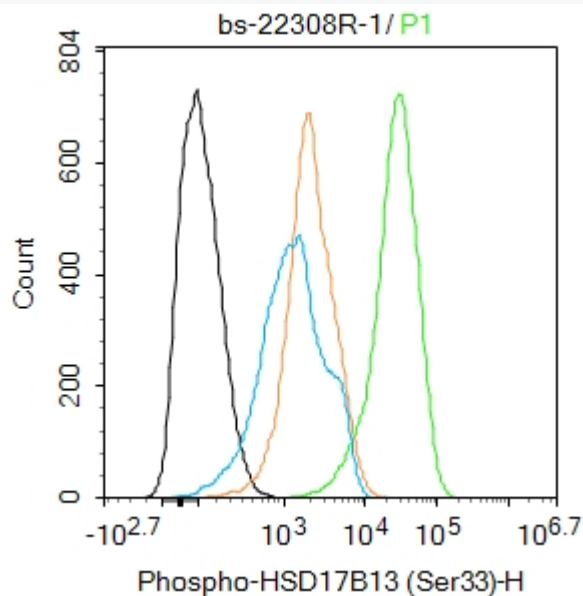
Lane 5: Human HepG2 cell lysates

Primary: Anti-Phospho-HSD17B13 (Ser33) (SL22308R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 34 kDa

Observed band size: 35 kDa



Blank control (black line) :HepG2.

Primary Antibody (green line): Rabbit Anti-Phospho-HSD17B13 (Ser33) antibody (SL22308R)

Dilution:1ug/Test;

Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488

Dilution: 0.5ug/Test.

Isotype control (orange line) : Normal Rabbit IgG

#### Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.