

Anti-SRD5A2 Rabbit Monoclonal Antibody
Catalog # ABO15870**Specification**

Anti-SRD5A2 Rabbit Monoclonal Antibody - Product Information

Application	WB, IP
Primary Accession	P31213
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-SRD5A2 Rabbit Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-SRD5A2 Rabbit Monoclonal Antibody - Additional Information

Gene ID 6716

Other Names

3-oxo-5-alpha-steroid 4-dehydrogenase 2, 1.3.1.22, 5 alpha-SR2, SR type 2, Steroid 5-alpha-reductase 2, S5AR 2, Type II 5-alpha reductase, SRD5A2

Calculated MW

28 kDa KDa

Application Details

WB 1:500-1:2000
IP 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human SRD5A2

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-SRD5A2 Rabbit Monoclonal Antibody - Protein Information

Name SRD5A2

Function

Converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT) and progesterone or corticosterone into their corresponding 5- alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.

Cellular Location

Microsome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Expressed in high levels in the prostate and many other androgen-sensitive tissues

Anti-SRD5A2 Rabbit Monoclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

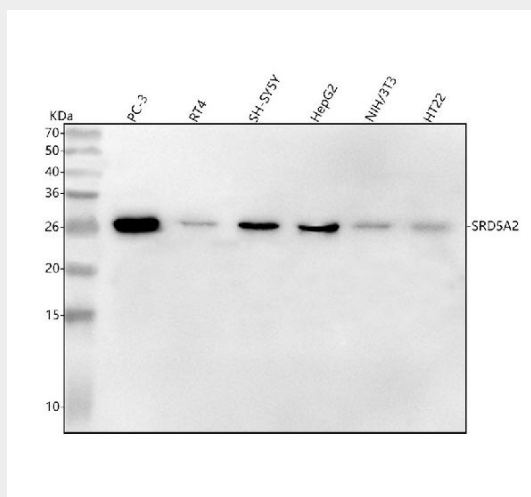
Anti-SRD5A2 Rabbit Monoclonal Antibody - Images

Figure 1. Western blot analysis of SRD5A2 using anti-SRD5A2 antibody (M00704).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human PC-3 whole cell lysates,
Lane 2: human RT4 whole cell lysates,
Lane 3: human SH-SY5Y whole cell lysates,
Lane 4: human HepG2 whole cell lysates,
Lane 5: human NIH/3T3 whole cell lysates,
Lane 6: mouse HT22 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90

minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SRD5A2 antigen affinity purified monoclonal antibody (Catalog # M00704) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SRD5A2 at approximately 28 kDa. The expected band size for SRD5A2 is at 28 kDa.