

Goat Anti-HSD17B3 Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4264a**Specification**

Goat Anti-HSD17B3 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P37058
Other Accession	NP_000188.1
Reactivity	Human
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	34516

Goat Anti-HSD17B3 Antibody (internal region) - Additional Information**Gene ID** 3293**Other Names**

HSD17B3; hydroxysteroid (17-beta) dehydrogenase 3; EDH17B3; SDR12C2; 17-beta-HSD 3; 17-beta-HSD3; 17-beta-hydroxysteroid dehydrogenase type 3; short chain dehydrogenase/reductase family 12C, member 2; testicular 17-beta-hydroxysteroid dehydrogenase; testo

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-SHFLNAPDEIQSLIH, from the internal region of the protein sequence according to NP_000188.1.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-HSD17B3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-HSD17B3 Antibody (internal region) - Protein Information**Name** HSD17B3 ([HGNC:5212](#))**Synonyms** EDH17B3, SDR12C2

Function

Catalyzes the conversion of 17-oxosteroids to 17beta- hydroxysteroids (PubMed:8075637, PubMed:16216911, PubMed:27927697, PubMed:26545797). Favors the reduction of androstenedione to testosterone (PubMed:16216911, PubMed:27927697, PubMed:26545797). Testosterone is the key androgen driving male development and function (PubMed:8075637). Uses NADPH while the two other EDH17B enzymes use NADH (PubMed:26545797, PubMed:8075637, PubMed:16216911). Androgens such as epiandrosterone, dehydroepiandrosterone, androsterone and androstenedione are accepted as substrates and reduced at C-17 (PubMed:16216911). Can reduce 11-ketoandrostenedione as well as 11beta- hydroxyandrostenedione at C-17 to the respective testosterone forms (PubMed:16216911, PubMed:27927697).

Cellular Location

Endoplasmic reticulum

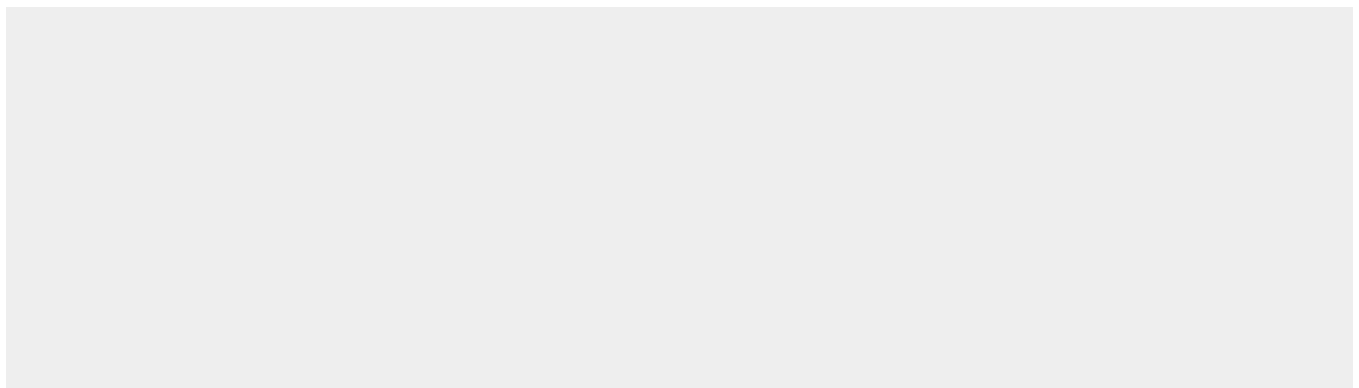
Tissue Location

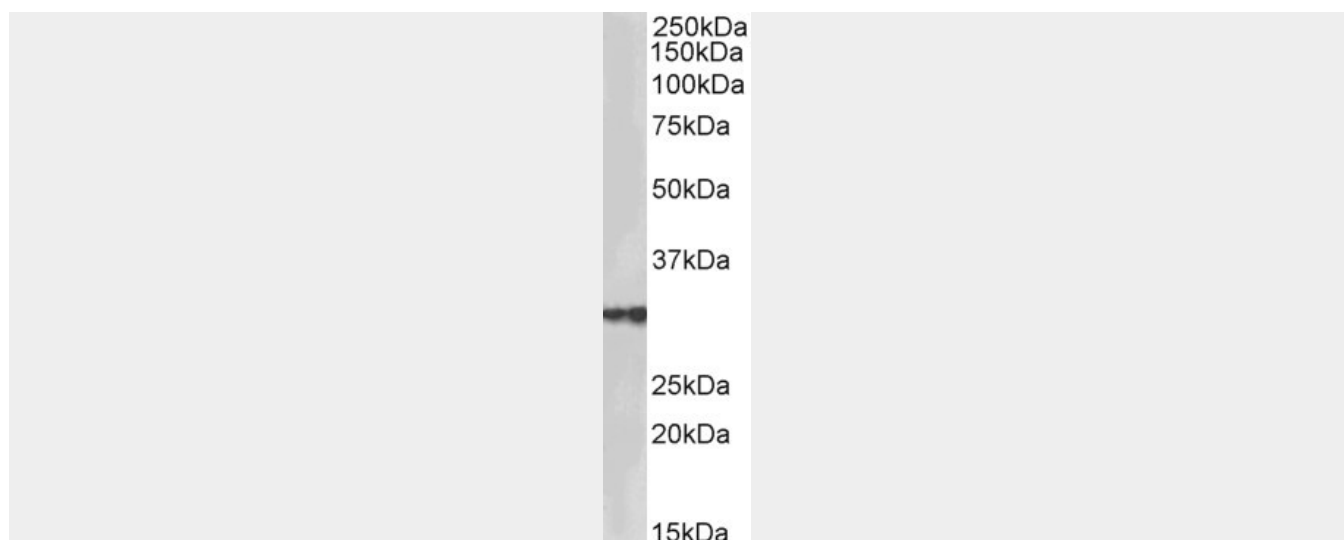
Testis..

Goat Anti-HSD17B3 Antibody (internal region) - 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](#)

Goat Anti-HSD17B3 Antibody (internal region) - Images



AF4264a (2 µg/ml) staining of Human Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-HSD17B3 Antibody (internal region) - References

The microsomal enzyme 17 β -hydroxysteroid dehydrogenase 3 faces the cytoplasm and uses NADPH generated by glucose-6-phosphate dehydrogenase. Legeza B, Balázs Z, Nashev LG, Odermatt A. Endocrinology 2013 Jan 154 (1): 205-13.