

Product datasheet

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ARG67219 anti-SRY / TDF antibody

Package: 100 μg Store at: -20°C

Summary

Species

Product Description Rabbit Polyclonal antibody recognizes SRY / TDF

Bovine

Tested Reactivity Bov
Tested Application WB

Host Rabbit

Clonality Polyclonal
Target Name SRY / TDF

Immunogen Recombinant fragment corresponding to aa. M1-Y229 of Bovine SRY / TDF.

Conjugation Un-conjugated

Alternate Names SRY; Sex Determining Region Y; TDF; Sex-Determining Region Y Protein; Testis-Determining Factor;

Essential Protein For Sex Determination In Human Males; Testis-Determining Factor On Y; Sex-

Determining Region On Y; SRXX1; SRXY1; TDY

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------|
| | WB | 1-5 μg/ml |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

Form Powder

Buffer PBS

Reconstitution Water

Concentration 0.1 - 1.0 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol SRY

Gene Full Name Sex Determining Region Y

Background This intronless gene encodes a transcription factor that is a member of the high mobility group

(HMG)-box family of DNA-binding proteins. This protein is the testis-determining factor (TDF), which initiates male sex determination. Mutations in this gene give rise to XY females with gonadal dysgenesis

(Swyer syndrome); translocation of part of the Y chromosome containing this gene to the X

chromosome causes XX male syndrome. [provided by RefSeq, Jul 2008]

Function Transcriptional regulator that controls a genetic switch in male development. It is necessary and

sufficient for initiating male sex determination by directing the development of supporting cell precursors (pre-Sertoli cells) as Sertoli rather than granulosa cells. Involved in different aspects of gene regulation including promoter activation or repression. Binds to the DNA consensus sequence

5'-[AT]AACAA[AT]-3'. SRY HMG box recognizes DNA by partial intercalation in the minor groove and

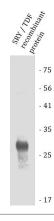
promotes DNA bending. Also involved in pre-mRNA splicing

Calculated Mw 27 kDa

PTM Acetylation. [UniProt]

Cellular Localization Cytoplasm; Nucleus. [UniProt]

Images



ARG67219 anti-SRY / TDF antibody WB image

Western blot: SRY / TDF recombinant protein stained with ARG67219 anti-SRY / TDF antibody.