

ARG67219 anti-SRY / TDF antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SRY / TDF
Tested Reactivity	Bov
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Target Name	SRY / TDF
Species	Bovine
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
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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.