

SRY Polyclonal Antibody
Catalog # AP73680**Specification**

SRY Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q05066
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

SRY Polyclonal Antibody - Additional Information**Gene ID** 6736**Other Names**

SRY; TDF; Sex-determining region Y protein; Testis-determining factor

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

SRY Polyclonal Antibody - Protein Information**Name** SRY {ECO:0000303|PubMed:1695712, ECO:0000312|HGNC:HGNC:11311}**Function**

Transcriptional regulator that controls a genetic switch in male development (PubMed:11563911). 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 (PubMed:16414182, PubMed:16996051). Involved in different aspects of gene regulation including promoter activation or repression (PubMed:9525897). Binds to the DNA consensus sequence 5'- [AT]AACAA[AT]-3' (PubMed:11563911, PubMed:1425584, PubMed:15170344, PubMed:8159753, PubMed:8265659). SRY HMG box

recognizes DNA by partial intercalation in the minor groove and promotes DNA bending (PubMed:11563911, PubMed:1425584, PubMed:15170344, PubMed:16762365, PubMed:8159753, PubMed:8265659). Also involved in pre-mRNA splicing (PubMed:11818535). In male adult brain involved in the maintenance of motor functions of dopaminergic neurons (By similarity).

Cellular Location

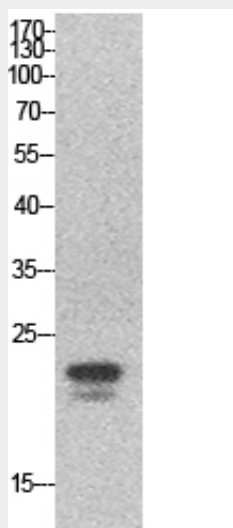
Nucleus speckle. Cytoplasm Nucleus. Note=Acetylation contributes to its nuclear localization and deacetylation by HDAC3 induces a cytoplasmic delocalization (PubMed:15297880). Colocalizes with SOX6 in speckles (PubMed:11818535). Colocalizes with CAML in the nucleus (PubMed:15746192). Colocalizes in the nucleus with ZNF208 isoform KRAB- O and tyrosine hydroxylase (TH) (By similarity). Nuclear import is facilitated by XPO4, a protein that usually acts as a nuclear export signal receptor (PubMed:19349578). {ECO:0000250|UniProtKB:Q05738, ECO:0000269|PubMed:11818535, ECO:0000269|PubMed:15297880, ECO:0000269|PubMed:15746192, ECO:0000269|PubMed:19349578}

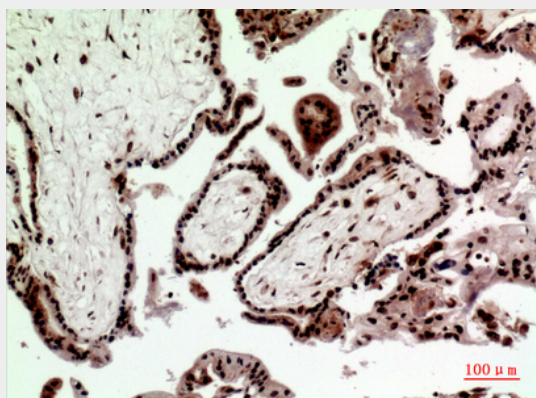
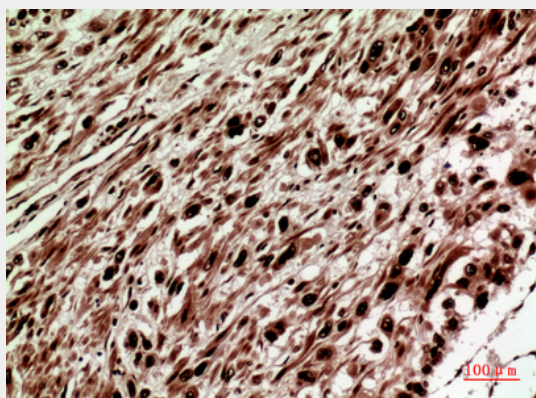
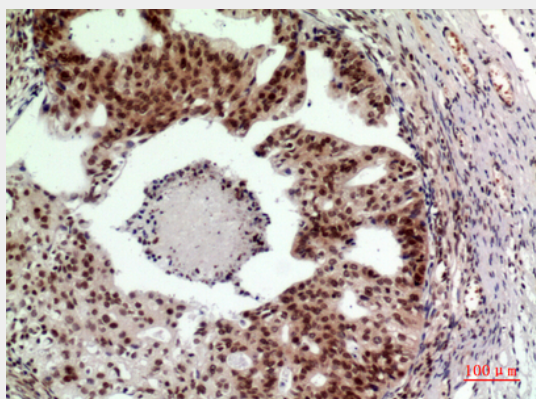
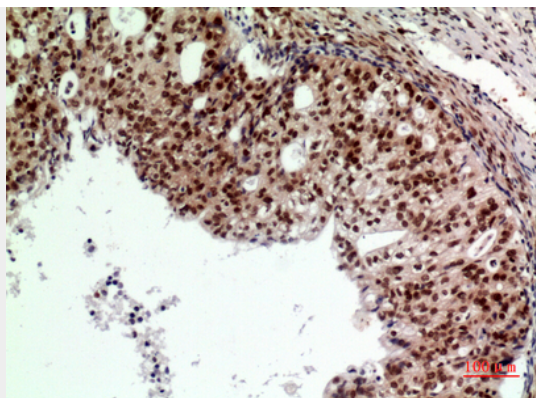
SRY Polyclonal Antibody - Protocols

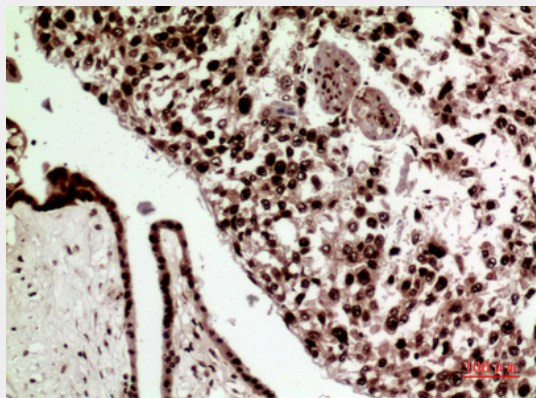
Provided below are standard protocols that you may find useful for product applications.

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

SRY Polyclonal Antibody - Images







SRY Polyclonal Antibody - Background

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 (By similarity). In male adult brain involved in the maintenance of motor functions of dopaminergic neurons (By similarity). Involved in different aspects of gene regulation including promoter activation or repression (By similarity). Promotes DNA bending. SRY HMG box recognizes DNA by partial intercalation in the minor groove. Also involved in pre-mRNA splicing. Binds to the DNA consensus sequence 5'-[AT]AACAA[AT]-3'.