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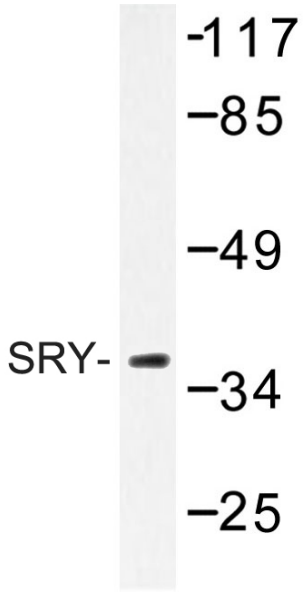
AP06716PU-N Polyclonal Antibody to SRY / TDF - Aff - Purified

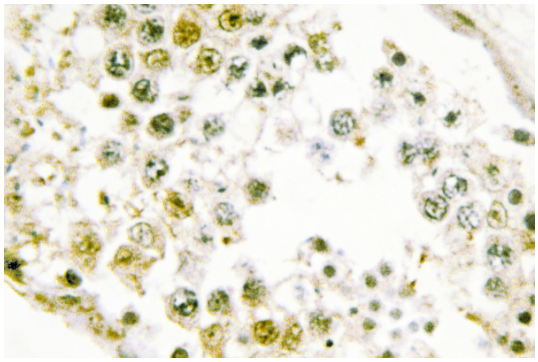
Alternate names:	Sex-determining region Y protein, Testis-determining factor
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	SRY (sex-determining region Y protein) is a transcriptional activator required for male sex determination in mammals. This protein, also referred to as testis-determining factor (TDF), is an HMG box protein that initiates the formation of testis from undifferentiated gonad. The DNA-binding activity of SRY is required for normal testis formation. This DNA-binding activity is thought to be regulated by PKA, which phosphorylates SRY in vivo. Mutations in SRY have been associated with 46,XY gonadal dysgenesis, in which the gonads fail to develop in XY phenotypic females.
Uniprot ID:	Q05066
NCBI:	NP_003131
GeneID:	6736
Host:	Rabbit
Immunogen:	Synthetic peptide, corresponding to amino acids 50-100 of Human SRY
Format:	**State:** Liquid purified Ig fraction (› 95% by SDS-PAGE) **Purification:** Affinity Chromatography using epitope-specific immunogen **Buffer System:** PBS, pH 7.2 **Preservatives:** 0.05% Sodium Azide
Applications:	**Western blot:** 1/500-1/1000. **Immunohistochemistry on Paraffin Sections:** 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 37 kDa
Specificity:	This antibody detects endogenous levels of SRY protein. (region surrounding Leu80)
Species Reactivity:	**Tested:** Human.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Western blot (WB) analysis of SRY antibody (Cat.-No.: AP06716PU-N) in extracts from HeLa cells.



Immunhistochemistry (IHC) analysis of SRY antibody (Cat.-No.: AP06716PU-N) on paraffin embedded sections



Western blot (WB) analysis of SRY (L80) polyclonal antibody at 1:500 dilution. Lane 1: Hela whole cell lysate. Lane 2: sp2/0 whole cell lysate. Lane 3: H9C2 whole cell lysate.