

Product datasheet for **AP60001PU-L**

KDM5D (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1-5 µg/ml.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Highly pure (> 95%) recombinant Human JARID1D (Leu1248-Leu1539) fused to a C-terminal His-tag (6x His) derived from <i>E. coli</i> (Cat.-No AR60001PU-N)
Specificity:	This antibody detects Human JARID1D. Other species not tested.
Formulation:	State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lysine demethylase 5D
Database Link:	<u>Entrez Gene 8284 Human</u> <u>Q9BY66</u>



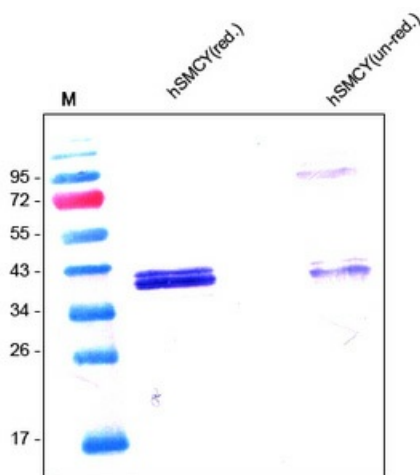
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Background:

H-Y antigen is defined as a male histocompatibility antigen that causes rejection of male skin grafts by female recipients of the same inbred strain of rodents. Male-specific, or H-Y antigen(s), are also detected by cytotoxic T cells and antibodies. H-Y antigen appears to be an integral part of the membrane of most male cells. In addition, H-Y antibodies detect a soluble form of H-Y that is secreted by the testis. The gene (Smcy/SMCY) coding for H-Y antigen detected by T cells has been cloned. It is expressed ubiquitously in male mice and humans, and encodes an epitope that triggers a specific T-cell response in vitro. Additional epitopes coded for by different Y-chromosomal genes are probably required in vivo for the rejection of male grafts by female hosts. The molecular nature of H-Y antigen detected by antibodies on most male cells is not yet known. Testis-secreted, soluble H-Y antigen, however, was found to be identical to Müllerian-inhibiting substance (MIS). MIS cross-reacts with H-Y antibodies and identical findings were obtained for soluble H-Y antigen and MIS, i.e., secretion by testicular Sertoli and, to a lesser degree, ovarian cells, binding to a gonad-specific receptor, induction of gonadal sex reversal in vitro and, in cattle, in vivo. H-Y antisera also detect a molecule or molecules associated with the heterogametic sex in non-mammalian vertebrates. Molecular data on this antigen or antigens are not yet available.

Synonyms:

Lysine-specific demethylase 5D, KDM5D, SMCY, HYA, HY, H-Y

Product images:


Western analysis of recombinant human SMCY (Cat.-No [AR60001PU-N]) using anti-human SMCY / JARID1D polyclonal antibody Cat.-No. [AP60001PU-N] directed against the C-terminal part of human SMCY (Leu1248-Leu1539).