

Datasheet for ABIN1589829 **anti-KDM5D antibody**



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Overview

Quantity:	100 µg
Target:	KDM5D
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM5D antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	SMCY/JARID1D antibody
Immunogen:	Recombinant human SMCY
Isotype:	IgG
Specificity:	Recombinant human SMCY
Characteristics:	Chromosomal location: Yq11, Yq11
Purification:	Protein A purified

Target Details

Target:	KDM5D
Alternative Name:	SMCY/JARID1D (KDM5D Products)
Background:	KDM5D lysine (K)-specific demethylase 5D, HY, HYA,H-Y antigen is defined as a male

Target Details

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.

Gene ID:	8284
NCBI Accession:	NM_001146705 , NP_001140177
UniProt:	Q9BY66
Pathways:	Warburg Effect

Application Details

Application Notes:	Western Blot: Use 1-5 µg/mL
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS
Handling Advice:	Centrifuge vial prior to opening.
Storage:	4 °C, -20 °C

Handling

Storage Comment: The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.

Expiry Date: 24 months