

Product Datasheet

LSD1 Antibody / Lysine-Specific Demethylase 1 (orb248156)

Description	LSD1 (Lysine-specific demethylase 1), also called KDM1 (lysine (K)-specific demethylase 1A), is the first histone demethylase to be identified and regulates transcription via demethylation of lysines 4 and 9 of Histone H3. It negatively regulates pro-inflammatory cytokine expression by interacting with the genes promoter region. It also plays a role in tumor development where overexpression of LSD1 correlates with a poor prognosis. It is upregulated in cancers of the bladder, breast, lung, colon, and GI tract as well as neuroblastoma and cells of mesenchymal origin such as chondrosarcoma, osteosarcoma, rhabdomyosarcoma and Ewing's sarcoma (Bennani-Baiti et al, 2012).
Species/Host	Rabbit
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	WB
Immunogen	A recombinant protein fragment from the N-terminal region of human LSD1 was used as the immunogen for this antibody.
Preservatives	1X PBS, pH 7.4
Storage	Aliquot the LSD1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.
Note	For research use only
Application notes	Provided assay concentrations are suggestions only, LSD1 antibody titration may be required for optimal results.
Formula	0.5 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Rabbit IgG

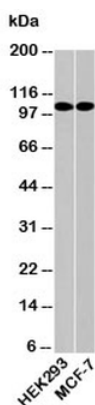
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Clonality	Polyclonal
Antibody Type	Primary Antibody
Purity	Protein A affinity chromatography
Hazard Information	This LSD1 antibody is available for research use only.
Entrez	23028
Dilution Range	Western blot: 0.5-2ug/ml, IHC (FFPE): 5ug/ml
Expiration Date	12 months from date of receipt.



Western blot testing of human samples with LSD1 antibody at 0.5 ug/ml. Expected molecular weight ~110 kDa.



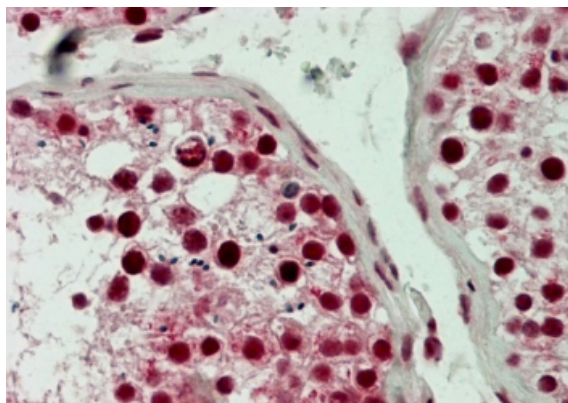
Western blot testing of mouse samples with LSD1 antibody at 0.5 ug/ml. Expected molecular weight ~110 kDa.

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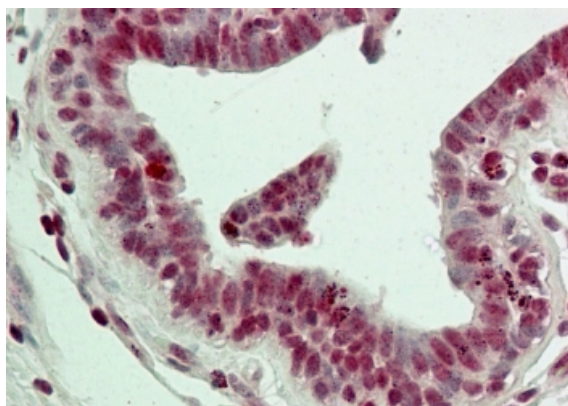
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IHC testing of FFPE human testis tissue with LSD1 antibody at 5 ug/ml. HIER: steam tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human breast tissue with LSD1 antibody at 5 ug/ml. HIER: steam tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

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