

Product datasheet for **AM06113SU-N**

KDM1A Mouse Monoclonal Antibody [Clone ID: 1B2E5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1B2E5
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/2000. Immunofluorescence: 1/200-1/1000. ELISA: 1/10000. Immunohistochemistry on Paraffin Sections: 1/200- 1/1000.
Reactivity:	Human, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human LSD1 expressed in E. Coli.
Specificity:	This antibody reacts to LSD1/AOF2.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	93 kDa
Gene Name:	lysine demethylase 1A
Database Link:	Entrez Gene 23028 Human O60341



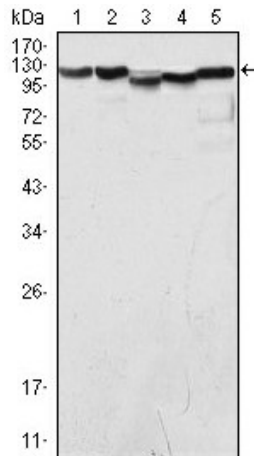
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Background:

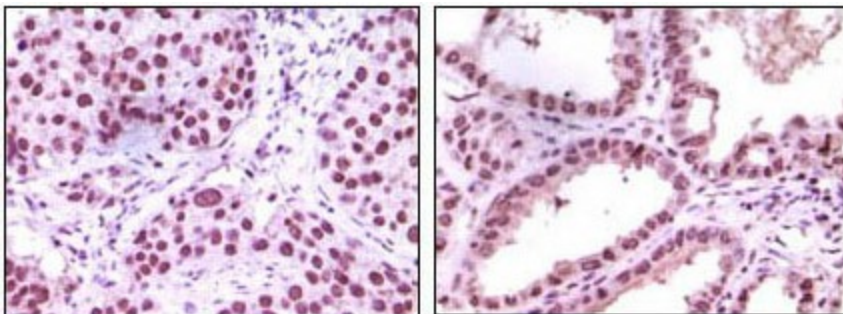
The amine oxidase domain 2 (AOF2) gene encodes a nuclear protein (LSD1, ~95kDa) containing a Swirm domain, a FAD-binding motif, and an amine oxidase domain. This protein is a component of several histone deacetylase complexes, though it silences genes by functioning as a histone demethylase. LSD1 is a chromatin-modifying enzyme, which serve as a docking module for the stabilization of the associated corepressor complex (es) on chromatin.

Synonyms:

Lysine-specific histone demethylase 1, KIAA0601, LSD1

Product images:


Western blot analysis using LSD1 mouse mAb against COS (1), HeLa (2), NIH/3T3 (3), A549 (4) and Jurkat (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma (left) and kidney carcinoma (right), showing nuclear localization using LSD1 mouse mAb with DAB staining.