Order: order@ebiocell.com
TEL: (540)808-3925
Supprt: tech@ebiocell.com
Web: ***www.ebiocell.com***

LSD1 Rabbit Polyclonal Antibody

Catalog #: EAB13444

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB, IP, IF	95	Human, Mouse, Rat

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting)	1:500-2000
IP(Immunoprecipitation)	1:20-200
IF(Immunofluorescence)	1:50-300

Product Information

Conjugate	Unconjugate
Specificity	LSD1 Rabbit Polyclonal Antibody detects endogenous levels of LSD1 protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol.
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks.
UniProt ID	O60341
Entrez-Gene ID	23028

Product Descriotion

Lysine-specific histone demethylase 1 (LSD1), also designated BHC110, is a flavin-dependent amine oxidase which catalyzes the removal of one or two methyl groups from the methyl-lysine-4 side chain of Histone H3. The LSD1 protein contains a SWIRM domain, a FAD-binding motif and an amine oxidase domain. Association with CoREST, a SANT domain-containing corepressor, positively regulates LSD1. CoREST mediates the demethylation ability of LSD1 and protects it from proteasomal degradation in vivo. PHF21A (also designated BCH80), a PHD domain-containing protein, inhibits activity of LSD1/CoREST mediated de-methylation. The LSD1 protein also co-localizes with the androgen receptor in human prostate tumor cells and in unaffected prostate cells, stimulating androgen-receptor-dependent transcription.