

Recombinant LSD2/AOF1 Monoclonal Antibody

catalog number: **AN301732L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

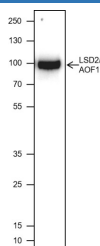
Reactivity	Human
Immunogen	Recombinant human LSD2/AOF1 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C371354
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-1:2000
IF	1:50
FCM	1:50-1:100

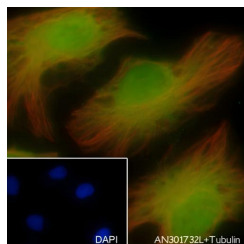
Data



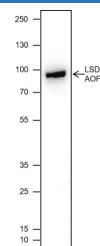
Western Blot with LSD2/AOF1 Monoclonal Antibody at dilution of 1:1000. Lane 1: SH-SY5Y

Observed-MW:100 kDa

Calculated-MW:92 kDa



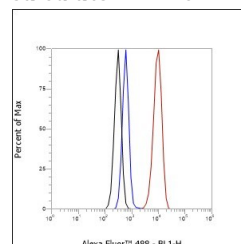
Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-LSD2/AOF1 Monoclonal Antibody at dilution of 1:50.



Western Blot with LSD2/AOF1 Monoclonal Antibody at dilution of 1:2000. Lane 1: K-562

Observed-MW:100 kDa

Calculated-MW:92 kDa



Flow cytometric analysis of human LSD2/AOF1 expression on HeLa cells. Cells were stained with purified anti-Human LSD2/AOF1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

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Rev. V1.1

LSD2, also known as AOF1, is a Lysine (K)-specific demethylase that is encoded by the KDM1B gene in human. LSD2 demethylates 'Lys-4' of histone H3, a specific tag for epigenetic transcriptional activation, thereby acting as a corepressor. LSD2 demethylates both mono- and Dimethylated 'Lys-4' of histone H3. It acts by oxidizing the substrate by FAD to generate the corresponding imine that is subsequently hydrolyzed.