TNC Antibody

PACO18451

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IHC

Recommended dilutions:

ELISA:1:2000-1:5000, IHC:1:25-1:100

Protein Background:

Lysine-specific demethylase 1 (LSD1; also known as AOF2 and BHC110) is a nuclear amine oxidase homolog that acts as a histone demethylase and transcription cofactor. Gene activation and repression is specifically regulated by the methylation state of distinct histone protein lysine residues. For example, methylation of histone H3 at Lys4 facilitates transcriptional activation by coordinating the recruitment of BPTF, a component of the NURF chromatin remodeling complex, and WDR5, a component of multiple histone methyltransferase complexes. In contrast, methylation of histone H3 at Lys9 facilitates transcriptional repression by recruiting HP1. LSD1 is a component of the CoREST transcriptional co-repressor complex that also contains CoREST, CtBP, HDAC1 and HDAC2. As part of this complex, LSD1 demethylates mono-methyl and di-methyl histone H3 at Lys4 through a FAD-dependent oxidation reaction to facilitate neuronal-specific gene repression in non-neuronal cells.

Gene ID:

TNC

Uniprot

P24821

Synonyms:

tenascin C

Immunogen:

Synthetic peptide of human TNC.

Storage:

-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

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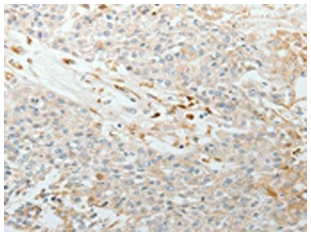
Product Images



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using PACO18451(TNC Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).