Recombinant MAO-A Monoclonal Antibody

catalog number: AN301895L

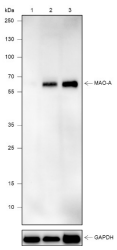
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Recombinant human MAO-A fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A611
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:200

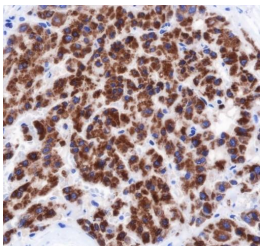
Data



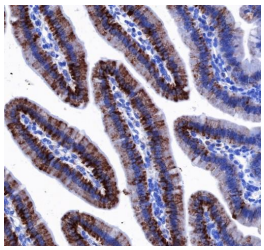
Western Blot with MAO-A Monoclonal Antibody at dilution of 1:1000. Lane 1: A549 (Negative control), Lane 2: HepG2, Lane 3: Mouse brain

Observed-MW:60 kDa

Calculated-MW:60 kDa



Immunohistochemistry of paraffin-embedded Human liver cancer using MAO-A Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Mouse small intestine using MAO-A Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

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

Background

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
Email: techsupport@elabscience.com
Fax: 1-832-243-6017

Monoamine oxidase A (MAO-A), a mitochondrial enzyme, catalyzes the degradation of monoamines. Studies show that increased expression of MAO-A promotes prostate cancer metastasis by activating the Shh-IL6-RANKL signaling network. In addition, MAO-A expression in adipose tissue macrophages is upregulated in aging, leading to the reduction of noradrenaline availability in adipose tissue. Decreased levels of noradrenaline contribute to the aging-related decline of catecholamine-induced lipolysis in adipocytes. Furthermore, sympathetic neuron–associated macrophages import and degrade norepinephrine via the transporter SLC6A2 and MAO-A, respectively, and thus contribute to obesity.

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