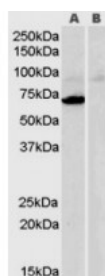


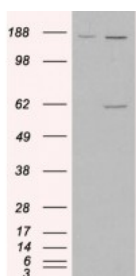


## Monoamine Oxidase A Antibody

CATALOG NUMBER: 45-895



Western Blot (0.3ug/ml) staining of human heart lysate (35ug protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing MAOA and probed with antibody (mock transfection in first lane).

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:64000. Western Blot: Approx 70kDa band observed in Human Heart lysates o(calculated MW of 60.0kDa according to NP_000231.1). In transfected HEK293 transiently expressing MAOA a band of approx. 60 kDa is observed. This band is not observed in the non-transfected
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1301 - Human Heart Tissue Lysate
<b>IMMUNOGEN:</b>	Monoamine Oxidase A antibody was raised against a 14 amino acid synthetic peptide near the internal region of Monoamine Oxidase A.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	Monoamine Oxidase A antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Monoamine Oxidase A antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	MAOA, monoamine oxidase A, HGNC:6833, RP1-201D17_B.2, MAO-A
<b>ACCESSION NO.:</b>	NP_000231.1

**PROTEIN GI NO.:** 4557735

**OFFICIAL SYMBOL:** MAOA

**GENE ID:** 4128

### Background

**REFERENCES:** 1) Domschke K, Sheehan K, Lowe N, Kirley A, Mullins C, O'sullivan R, Freitag C, Becker T, Conroy J, Fitzgerald M, Gill M, Hawi Z. Association analysis of the monoamine oxidase A and B genes with attention deficit hyperactivity disorder (ADHD) in an Irish sample: Preferential transmission of the MAO-A 941G allele to affected children. Am J Med Genet B Neuropsychiatr Genet. 2005 Feb 16;

**FOR RESEARCH USE ONLY**

December 13, 2016