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Research Use Only. Not for diagnostic or therapeutic use.

EB06984 - Goat Anti-MAOB Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MAOB, monoamine oxidase B, HGNC:6834, MGC26382, RP1-201D17__B.1, MAO, brain, MAO, platelet, adrenalin oxidase, amine oxidase

(flavin-containing), tyramine oxidase

Official Symbol: MAOB

Accession Number(s): NP_000889.3

Human GeneID(s): 4129

Non-Human GenelD(s): 109731 (mouse)

Important Comments: This antibody is not expected to cross-react with MAOA.

Immunogen

Peptide with sequence C-HKARKLARLTKEE, from the internal region of the protein sequence according to NP_000889.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 60kDa band observed in Human and Mouse Liver lysates and approx. 55-60kDa in Human Testis and Breast cancer lysates (calculated MW of 58.8kDa according to NP_000889.3). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Testis. Recommended concentration: 4-5µg/ml.

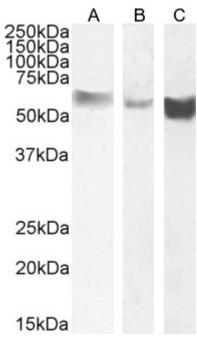
Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

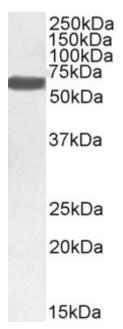
Species Reactivity

Tested: Human, Mouse

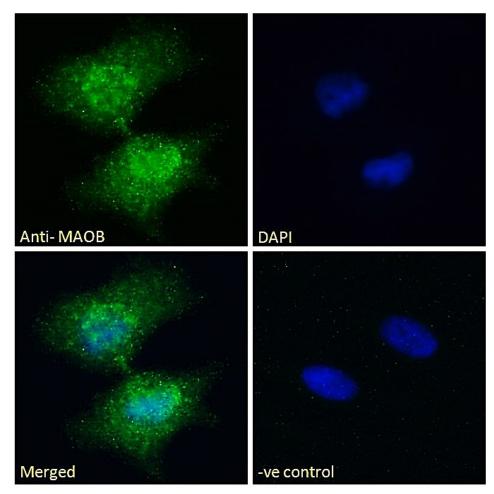
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



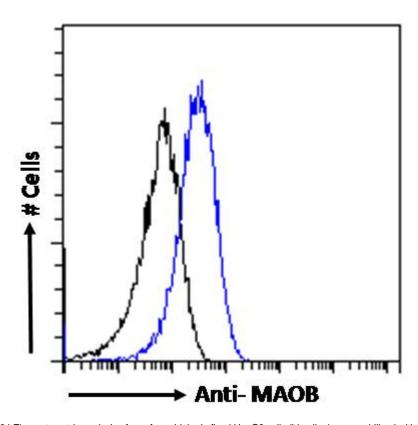
EB06984 (0.1μg/ml) staining of Human Liver (A) and (0.3ug/ml) Testes (B) and Breast Cancer (C) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB06984 (0.1μg/ml) staining of Mouse Liver lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.

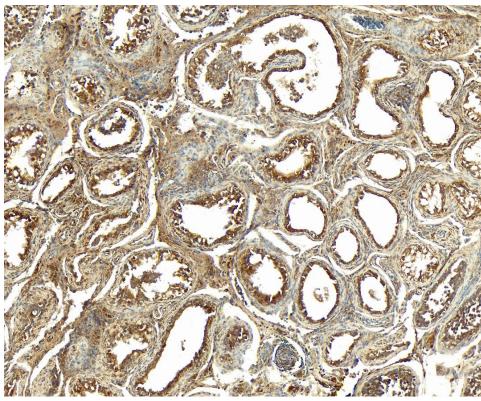


EB06984 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

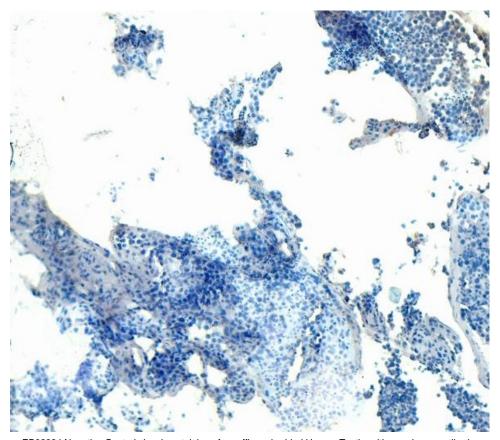


EB06984 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB06984 (5μg/ml) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\tt EB06984\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Testis,\ with\ no\ primary\ antibody.}$