

## UK Office

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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 GeneID(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.

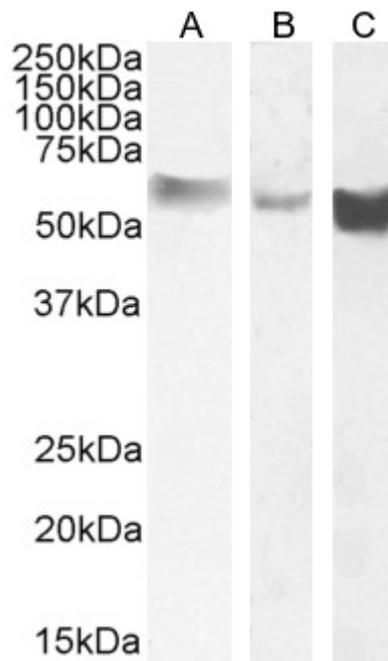
**Immunofluorescence:** Strong expression of the protein seen in the nuclei and cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

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

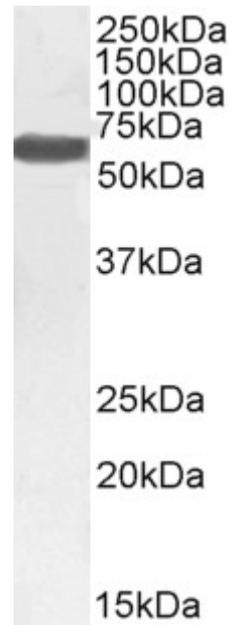
### Species Reactivity

**Tested:** Human, Mouse

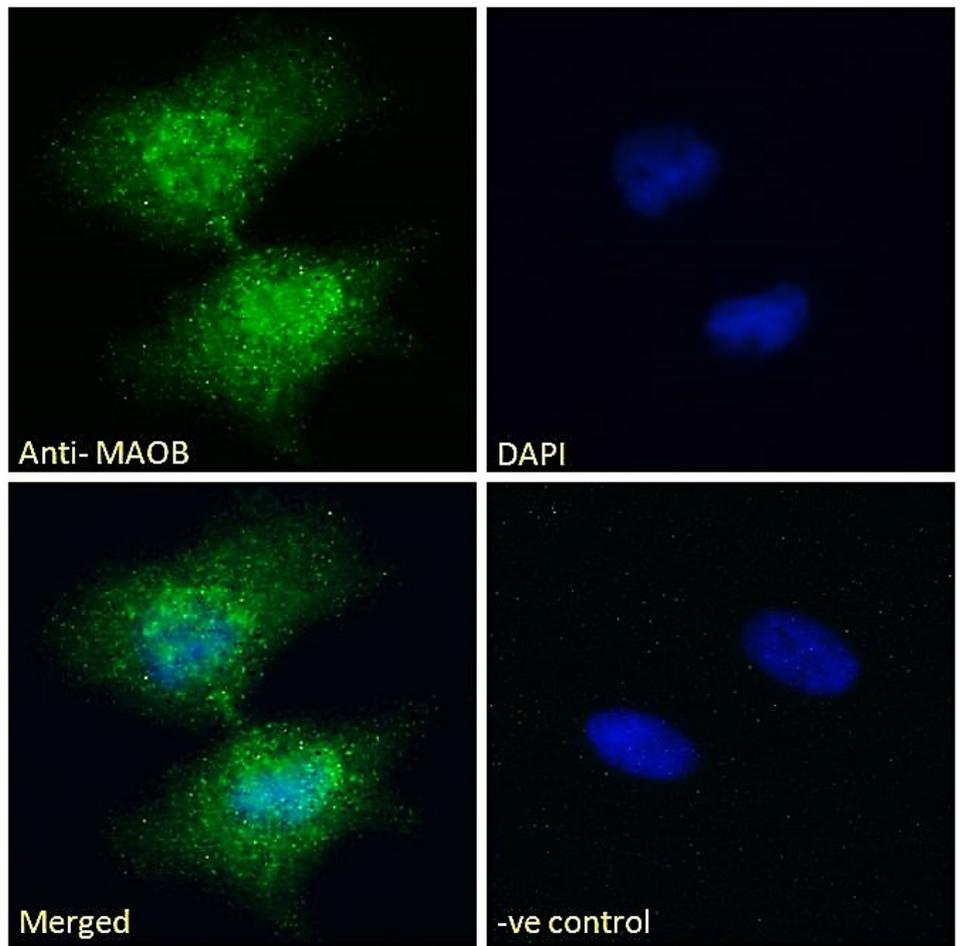
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



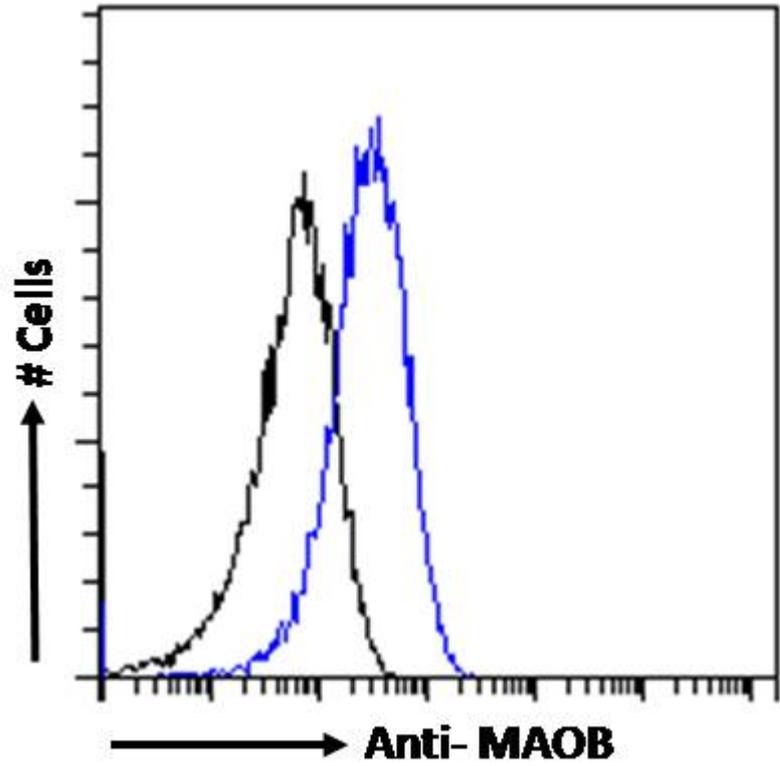
EB06984 (0.1 $\mu$ g/ml) staining of Human Liver (A) and (0.3 $\mu$ g/ml) Testes (B) and Breast Cancer (C) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



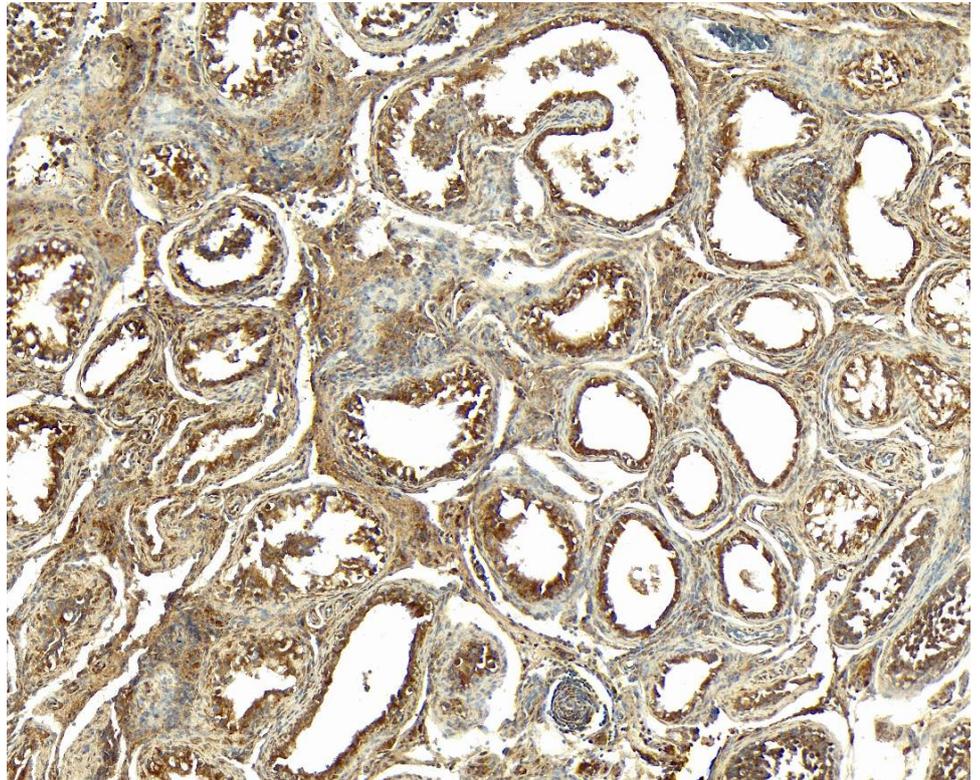
EB06984 (0.1 $\mu$ g/ml) staining of Mouse Liver lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



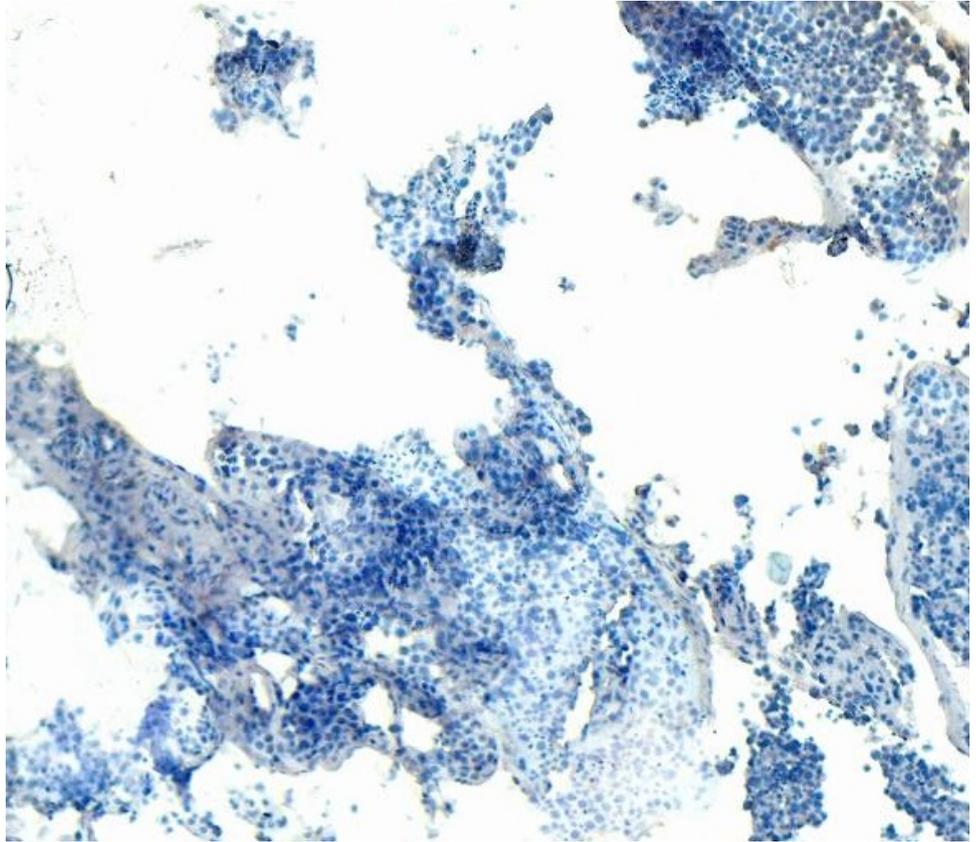
EB06984 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized 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 (5 $\mu$ g/ml) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06984 Negative Control showing staining of paraffin embedded Human Testis, with no primary antibody.