

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07290-T - Goat Anti-GPR94 / TRA1 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** TRA1, GRP94, tumor rejection antigen (gp96) 1, HGNC:12028, ECGP, GP96, Tumor rejection antigen-1 (gp96), endothelial cell (HBMEC) glycoprotein, glucose regulated protein, 94 kDa, tumor rejection antigen (gp96) 1

**Official Symbol:** HSP90B1

**Accession Number(s):** NP\_003290.1

**Human GeneID(s):** [7184](#)

**Non-Human GeneID(s):** 22027 (mouse), 362862 (rat)

### Immunogen

Peptide with sequence C-KEGVKFDSEKTK, from the internal region of the protein sequence according to NP\_003290.1.

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 100kDa band observed in lysates of cell lines NIH3T3 (calculated MW of 92.5kDa according to NP\_003290.1). Recommended concentration: 0.01-0.03µg/ml.

**IHC:** In paraffin embedded Human Liver shows staining in some hepatocyte nuclei and weak cytoplasm staining of hepatocytes. Paraffin embedded Human Uterus. Recommended concentration: 3-5µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

EB07290 (0.03µg/ml) staining of NIH3T3 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.

EB07290 (3.8µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07290 (5µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.