

## UK Office

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

## EB07387 - Goat Anti-TSPO / PBR (isoform) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TSPO, PBR, translocator protein (18kDa), BZRP, DBI, IBP, MBR, PKBS, PTBR, mDRC, pk18, OTTHUMP00000028891, benzodiazepine receptor (peripheral), benzodiazepine peripheral binding site, mitochondrial benzodiazepine receptor, peripheral benzodiazepine receptor, peripheral-type benzodiazepine receptor

**Official Symbol:** TSPO

**Accession Number(s):** NP\_000705.2

**Human GeneID(s):** [706](#)

**Important Comments:** This antibody is expected to recognise one isoform (NP\_000705.2) only.

### Immunogen

Peptide with sequence C-RDNHGWRRGRLPE, from the C Terminus of the protein sequence according to NP\_000705.2.

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 1:128000.

**Western blot:** Approx 17kDa band observed in Human Breast Cancer lysates (calculated MW of 18.8kDa according to NP\_000705.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

**IHC:** In paraffin embedded Human Colon shows strong cytoplasm staining of absorptive cells. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB07387 (0.1µg/ml) staining of Human Breast Cancer lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07387 (2.5µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07387 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.