



## UK Office

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

## EB07251 - Goat Anti-Prolyl Endopeptidase / PREP Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PREP, prolyl endopeptidase, HGNC:9358, MGC16060, PE, PEP, OTTHUMP00000040498, dJ355L5.1 (prolyl endopeptidase), post-proline cleaving enzyme

**Official Symbol:** PREP

**Accession Number(s):** NP\_002717.3

**Human GeneID(s):** [5550](#)

**Non-Human GeneID(s):** 19072 (mouse), 83471 (rat)

### Immunogen

Peptide with sequence C-QYIVGRSRKQSNP, from the internal region of the protein sequence according to NP\_002717.3.

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 1:16000.

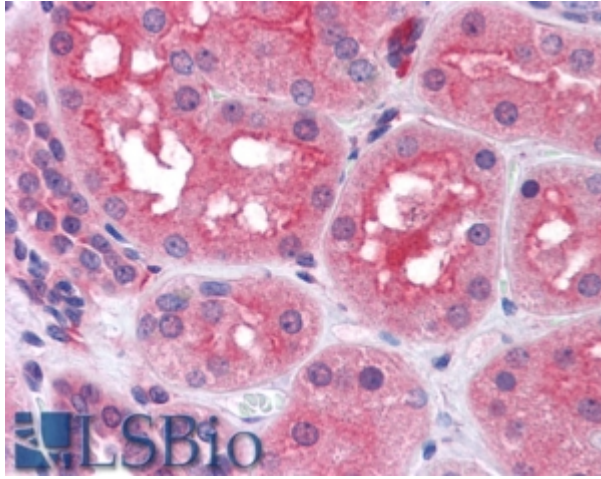
**Western blot:** Preliminary experiments gave an approx 45kDa band in Human Brain, Lymph Node, Spleen and Testis lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 80.7kDa according to NP\_002717.3. The 45kDa band was successfully blocked by incubation with the immunizing peptide.

**IHC:** Paraffin embedded Human Kidney and Tonsil. Recommended concentration: 3.75µg/ml.

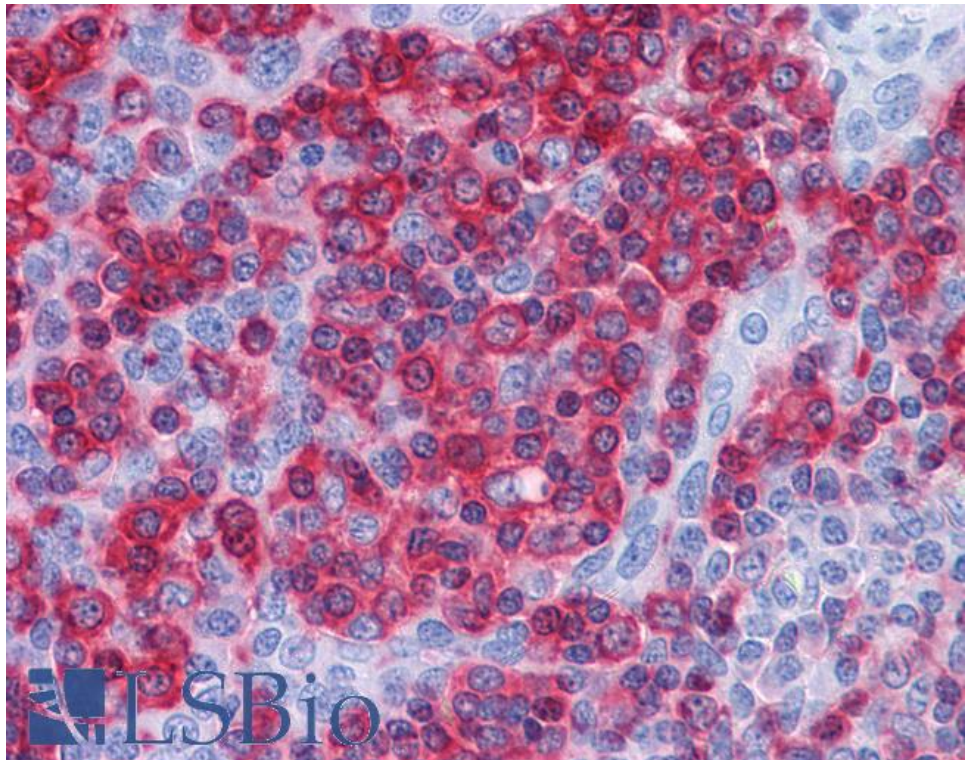
### Species Reactivity

**Tested:** Human

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



EB07251 (3.75µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07251 (3.75µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.