

## UK Office

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

## EB05691 - Goat Anti-PIR51 / RAD51AP1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** RAD51AP1, PIR51, RAD51-interacting protein, RAD51 associated protein 1

**Official Symbol:** RAD51AP1

**Accession Number(s):** NP\_001124334.1; NP\_006470

**Human GeneID(s):** [10635](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms.

### Immunogen

Peptide with sequence C-ARVKPLHPNATST, from the C Terminus of the protein sequence according to NP\_001124334.1; NP\_006470.

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:** Preliminary experiments gave an approx 25kDa band in Human Testis lysates at 0.2ug/ml. This band was successfully blocked by incubation with the immunising peptide. Please note that currently we cannot find an explanation in the literature for the band we observe given the predicted size of approx. 39kDa according to NP\_006470. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**IHC:** In paraffin embedded Human Testis shows nuclear staining in spermatocytes and spermatids. Recommended concentration, 4-6µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Dog, Cow

EB05691 (4µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.