

## UK Office

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

## EB07176 - Goat Anti-PIAS2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PIAS2, protein inhibitor of activated STAT, 2, MGC102682, MIZ1, PIASX-ALPHA, PIASX-BETA, SIZ2, miz, Msx-interacting-zinc finger, protein inhibitor of activated STAT X, ARIP3

**Official Symbol:** PIAS2

**Accession Number(s):** NP\_775298.1; NP\_004662.2

**Human GeneID(s):** [9063](#)

**Non-Human GeneID(s):** 17344 (mouse)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_775298.1 and NP\_004662.2). No cross-reactivity expected with PIAS1, 3 and 4.

### Immunogen

Peptide with sequence KEAMKVSSQPCTKIE, from the internal region of the protein sequence according to NP\_775298.1; NP\_004662.2.

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 1:8000.

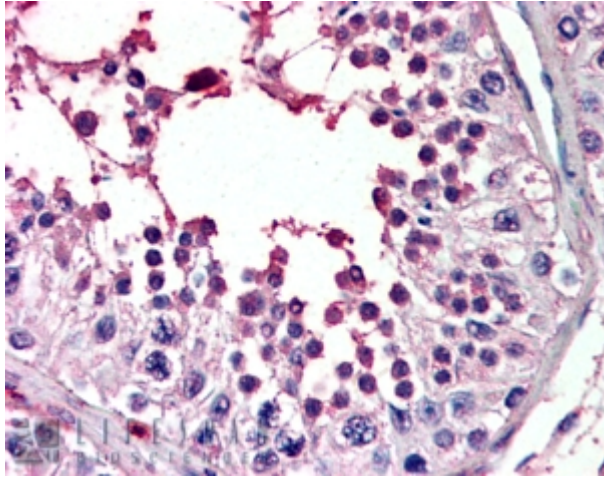
**Western blot:** Preliminary experiments gave an approx 90kDa band in lysates of cell line A431 after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 68.2kDa according to NP\_004662.2. The 90kDa band was successfully blocked by incubation with the immunizing peptide. 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 and extra-nuclear staining in spermatids. Recommended concentration, 3-5µg/ml.

### Species Reactivity

**Tested:** Human

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



EB07176 (3.8µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.