

## UK Office

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

## EB07428 - Goat Anti-SBP2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SBP2, RP11-89K14.1, SECISBP2, SECIS binding protein 2, DKFZp686C09169, OTTHUMP00000064929, OTTHUMP00000064930, OTTHUMP00000064931, OTTHUMP00000064932, selenocysteine insertion sequence binding protein 2

**Official Symbol:** SECISBP2

**Accession Number(s):** NP\_076982.3

**Human GeneID(s):** [79048](#)

### Immunogen

Peptide with sequence C-KERQERKQRLQEN, from the internal region of the protein sequence according to NP\_076982.3.

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 1:64000.

**Western blot:** Approx 120kDa band detected in HFF cell lysates. Data kindly provided by Laura Papp and Kum Kum Khanna. The observed molecular weight corresponds to earlier findings in literature with different antibodies (Papp et al, Mol Cell Biol. 2006 Jul;26(13):4895-910; PMID: 16782878). Recommended concentration: 0.1-0.3µg/ml. This antibody has been successfully used in WB on Mouse: Raman AV et al. (2013) PMID: 24392277. This antibody has been successfully used in WB on Human: Papp LV et al. (2008) PMID: 19004874.

**IHC:** In paraffin embedded Human Testis shows granular cytoplasm staining in Leydig cells. Recommended concentration, 3µg/ml.

**Immunocytochemistry/Immunofluorescence:** This antibody has been successfully used in ICC/IF for C33A cells as described in the following paper: Papp et al, Nucleic Acids Res. 2008 Dec;36(22):7192-206, PMID: 19004874.

**Immunoprecipitation:** This antibody has also been successfully used for IP.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific References

**This antibody has been successfully used in WB on Mouse:**

Raman AV, Pitts MW, Seyedali A, Hashimoto AC, Bellinger FP, Berry MJ. Selenoprotein W expression and regulation in mouse brain and neurons. Brain Behav. 2013 Sep;3(5):562-74. PMID: 24392277

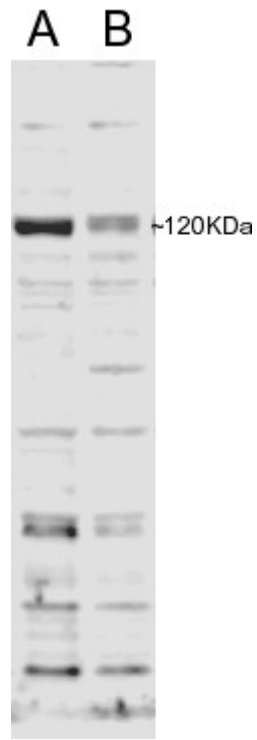
**This antibody has been successfully used in WB and IF/ ICC on Human:**

Papp LV, Wang J, Kennedy D, Boucher D, Zhang Y, Gladyshev VN, Singh RN, Khanna KK.

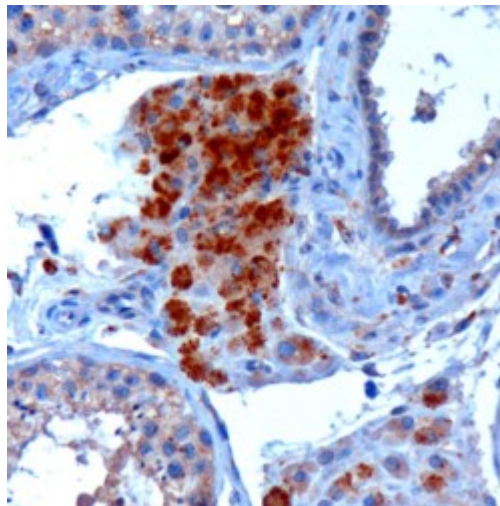
Functional characterization of alternatively spliced human SECISBP2 transcript variants.

Nucleic Acids Res. 2008 Dec;36(22):7192-206.

PMID: 19004874



EB07428 staining of HFF cell lysate with B) 100nM siRNA or A) control siRNA. Detected by chemiluminescence. Data kindly provided by Laura Papp and Kum Kum Khanna, Brisbane, Australia.



EB07428 (3 $\mu$ g/ml) staining of paraffin embedded Human Testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.