

## UK Office

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

## EB12404 - Goat Anti-HNRNPA2B1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HNRNPA2B1, heterogeneous nuclear ribonucleoprotein A2/B1, HNRNPA2, HNRNPB1, HNRPA2, HNRPA2B1, HNRPB1, RNPA2, SNRNPB1, hnRNP A2 / hnRNP B1, nuclear ribonucleoprotein particle A2 protein, IBMPFD2

**Official Symbol:** HNRNPA2B1

**Accession Number(s):** NP\_002128.1; NP\_112533.1

**Human GeneID(s):** [3181](#)

**Non-Human GeneID(s):** 53379 (mouse), 362361 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_002128.1; NP\_112533.1).

### Immunogen

Peptide with sequence C-DTIEIITDRQS, from the internal region of the protein sequence according to NP\_002128.1; NP\_112533.1.

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 37kDa band observed in lysates of cell line MCF7 and approx. 35kDa in lysates of cell line NIH3T3 and nuclear NIH3T3 (calculated MW of 36.0kDa according to NP\_002128.1). An additional band of unknown identity was also consistently observed at 30kDa. This band was successfully blocked by incubation with the immunising peptide. Recommended concentration: 0.01-0.3µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** In paraffin embedded Human Small Intestine shows nuclear staining. Paraffin embedded Human Testis. Recommended concentration: 5µg/ml.

**Additional validation:** This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific Reference

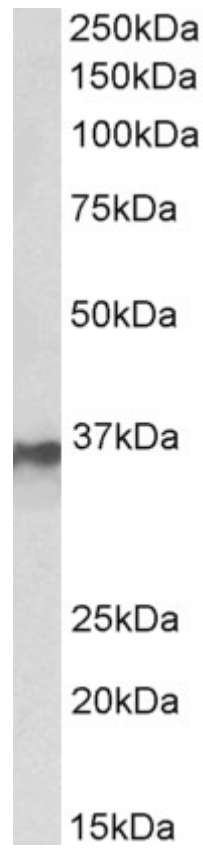
**This antibody has been successfully used in the following paper:**

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

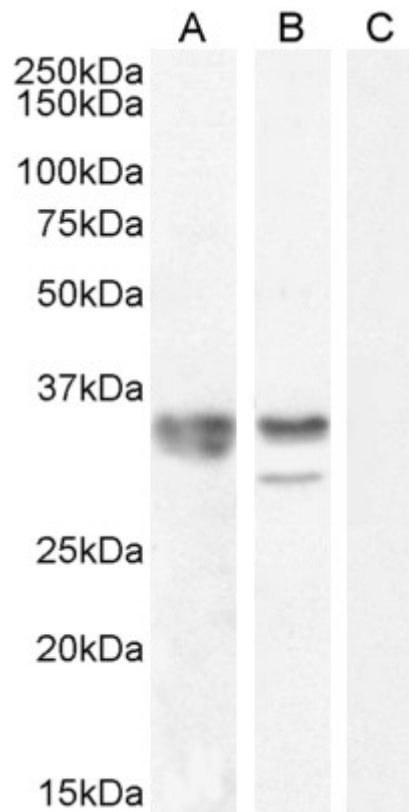
A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

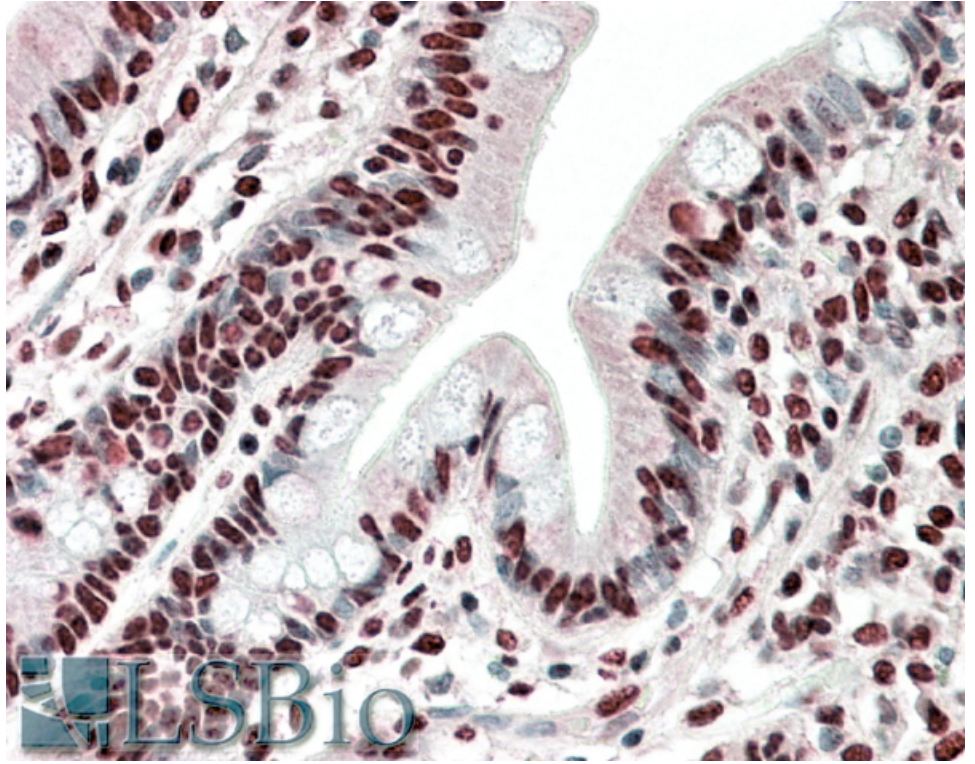
PMID: 30377371



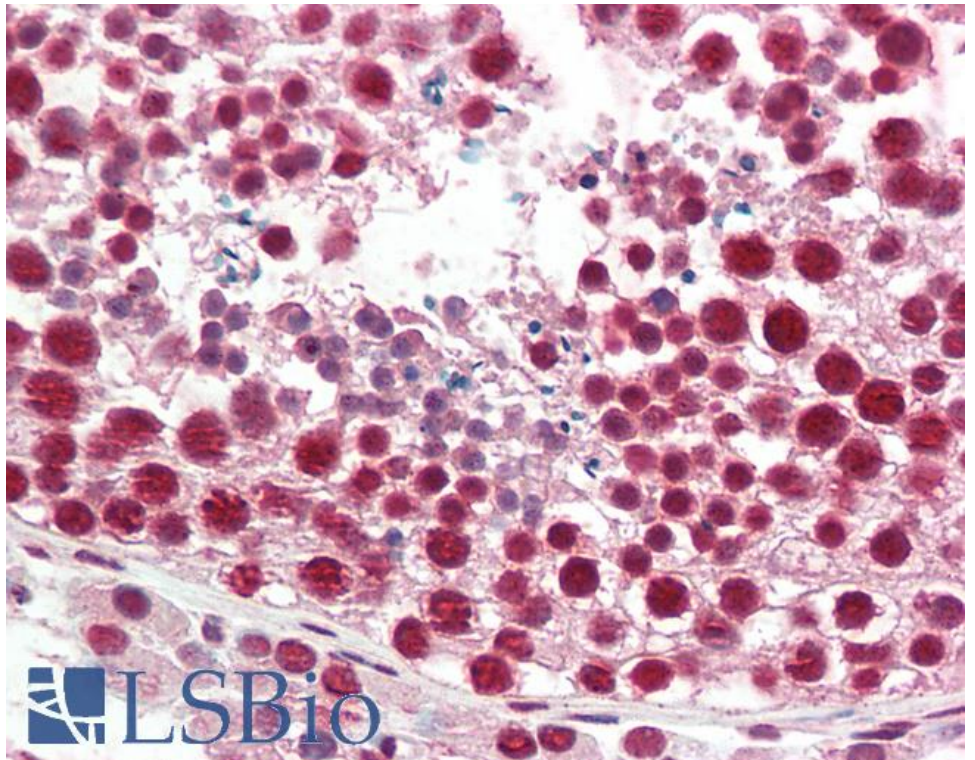
EB12404 (0.3 $\mu$ g/ml) staining of MCF7 lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB12404 (0.1 $\mu$ g/ml) staining of NIH3T3 (A), (0.01 $\mu$ g/ml) nuclear NIH3T3 (B) lysate, + Peptide (C) (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB12404 (5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB12404 (5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.