

## UK Office

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

## EB05284-T - Goat Anti-GRB2 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** GRB2, growth factor receptor-bound protein 2, ASH, EGFRBP-GRB2, Grb3-3, MST084, MSTP084, HT027, abundant SRC homology, epidermal growth factor receptor-binding protein GRB2, growth factor receptor-bound protein 3, NCKAP2, protein Ash, SH2/SH3 adapter GRB2

**Official Symbol:** GRB2

**Accession Number(s):** NP\_002077.1; NP\_987102.1

**Human GeneID(s):** [2885](#)

**Non-Human GeneID(s):** 14784 (mouse), 81504 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_002077.1 and NP\_987102.1).

### Immunogen

Peptide with sequence C-PRNYVTPVNRNV, from the C Terminus of the protein sequence according to NP\_002077.1; NP\_987102.1.

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 1:32000.

**Western blot:** Approx 26kDa band observed in lysates of cell line MOLT4, of Human Thymus and of Human, Mouse, Rat, Pig Brain and Spleen lysates (calculated MW of 25.2kDa according to Human NP\_002077.1 and according to Rat NP\_110473.2). Recommended for use at 0.05-0.15µg/ml.

**IHC:** In paraffin embedded Human Lymph Node shows nuclear staining in some cells inside the germinal centre. Recommended concentration: 1-2µg/ml.

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

### Species Reactivity

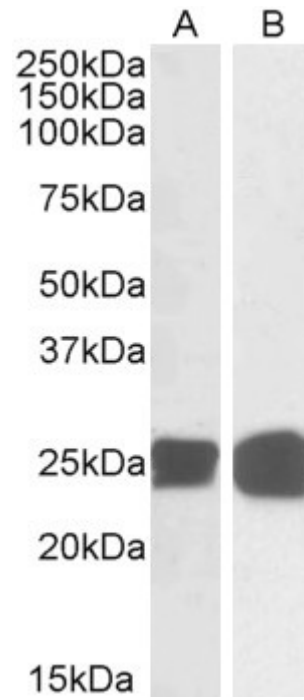
**Tested:** Human, Mouse, Rat, Pig

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

### Specific Reference

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

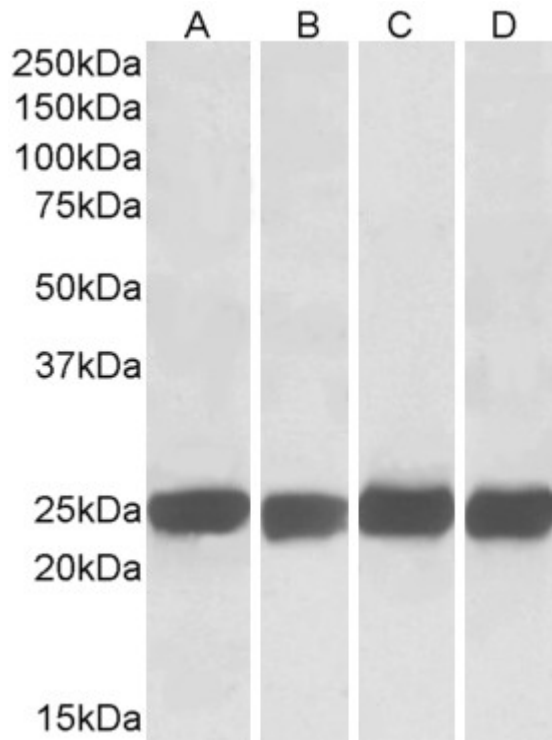
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen  
A high-throughput pipeline for validation of antibodies  
Nat Methods. 2018 Nov;15(11):909-912  
PMID: 30377371



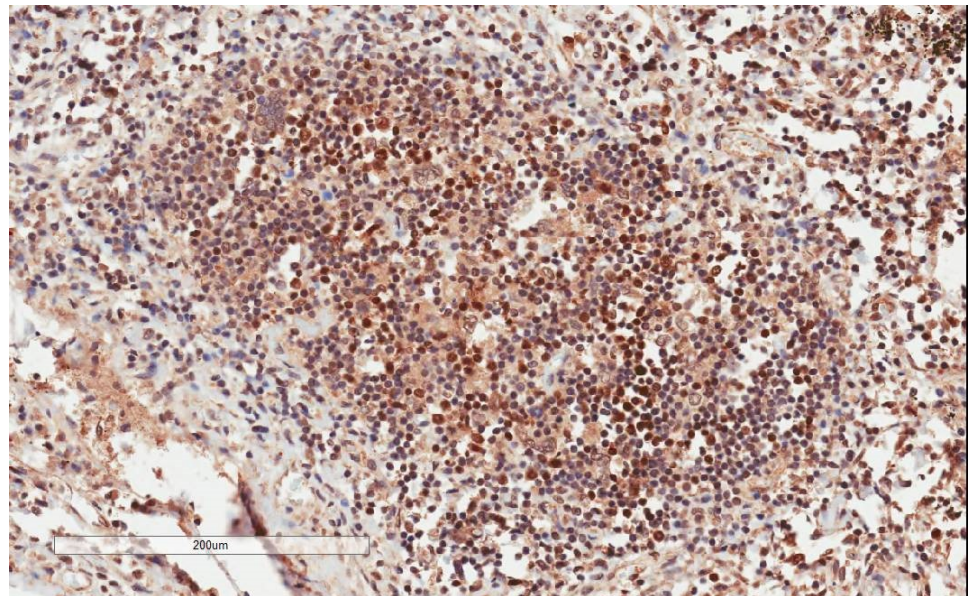
EB05284 (0.05 $\mu$ g/ml) staining of Human Thymus (A) and MOLT4 (B) lysates (35 $\mu$ g total protein in RIPA buffer). Primary incubated for 1 hour. Detected by chemiluminescence.



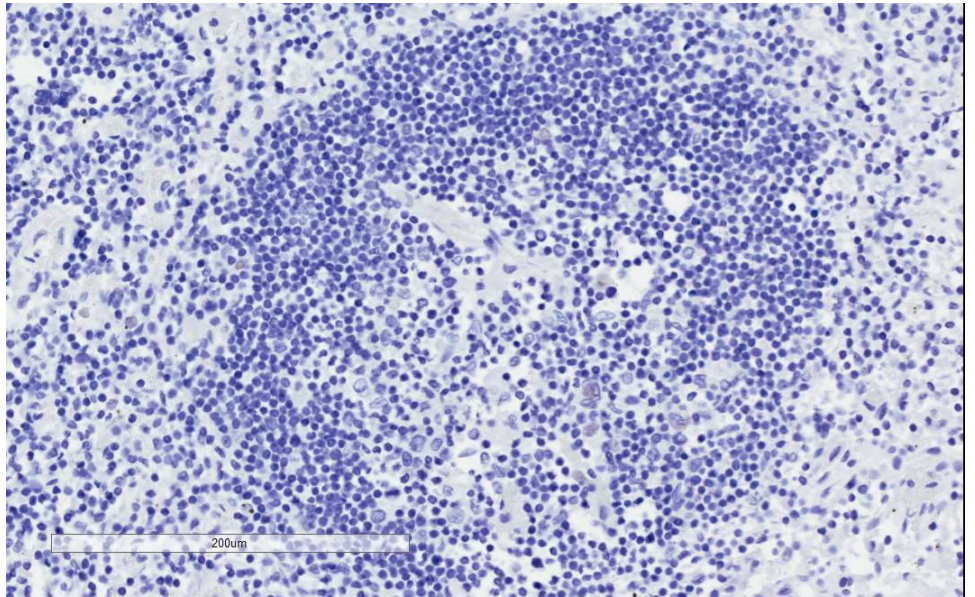
EB05284 (0.03 $\mu$ g/ml) staining of Human (A) and Pig (B) Spleen lysates (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB05284 (0.05 $\mu$ g/ml) staining of Mouse (A+C) and Rat (B+D) Brain (A+B) and Spleen (C+D) lysates (35 $\mu$ g total protein in RIPA buffer). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



EB05284 (1 $\mu$ g/ml) staining of paraffin embedded Human Lymph Node. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.



EB05284 Negative Control showing staining of paraffin embedded Human Lymph Node, with no primary antibody.