



## International Office

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

## EB05296-T - Goat Anti-NUMB Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** NUMB, numb homolog (Drosophila), S171, numb homolog

**Official Symbol:** NUMB

**Accession Number(s):** NP\_001005743.1; 001005744.1; NP\_003735; NP\_001005745.1

**Human GeneID(s):** [8650](#)

**Non-Human GeneID(s):** 18222 (mouse)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_001005743.1, 001005744.1, NP\_003735, NP\_001005745.1). It is also likely to cross-react with Numblake (NUMBL, GeneID: 9253) which has a very similar C-Terminus, although this has not yet been tested experimentally.

### Immunogen

Peptide with sequence C-PFSSDLQKTFEIEL, from the C Terminus of the protein sequence according to NP\_001005743.1; 001005744.1; NP\_003735; NP\_001005745.1.

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 1:128000.

**IHC:** Paraffin embedded Human Prostate. Recommended concentration: 6-8µg/ml.

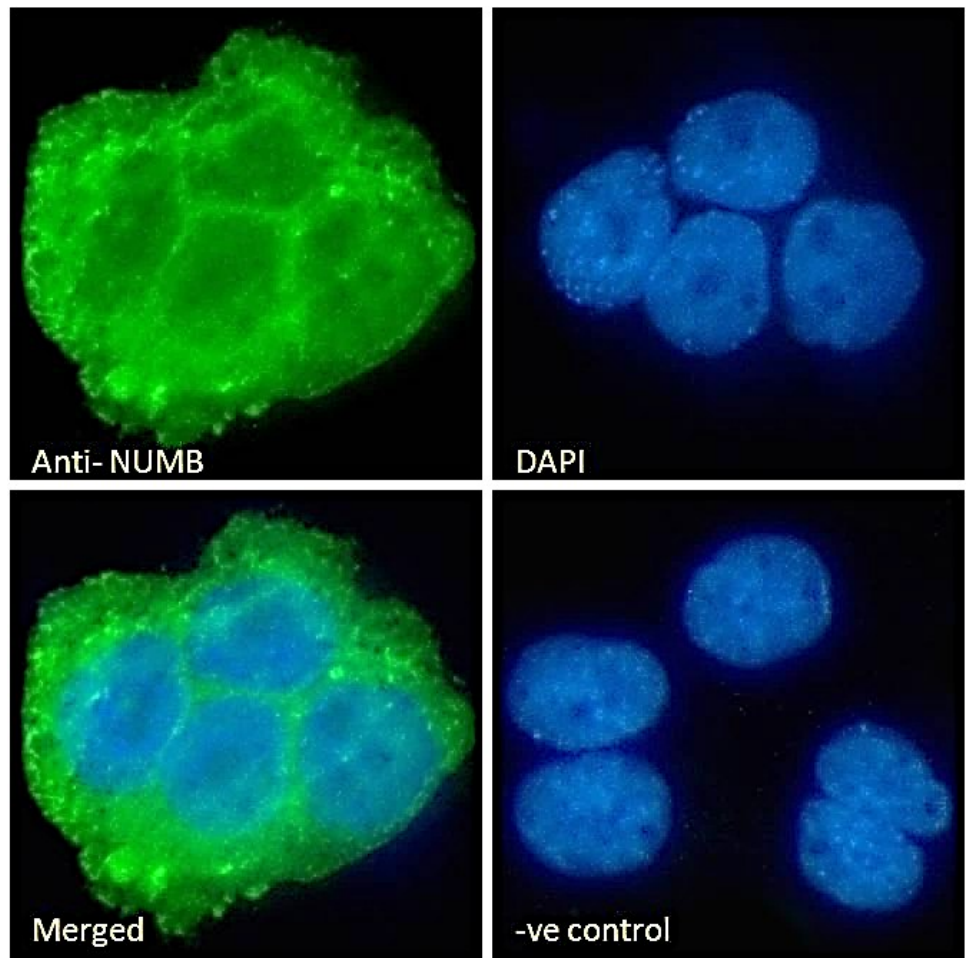
**Immunofluorescence:** Strong expression of the protein seen in the cell junctions/plasma membrane and cytoplasm of A431 and NIH3T3 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

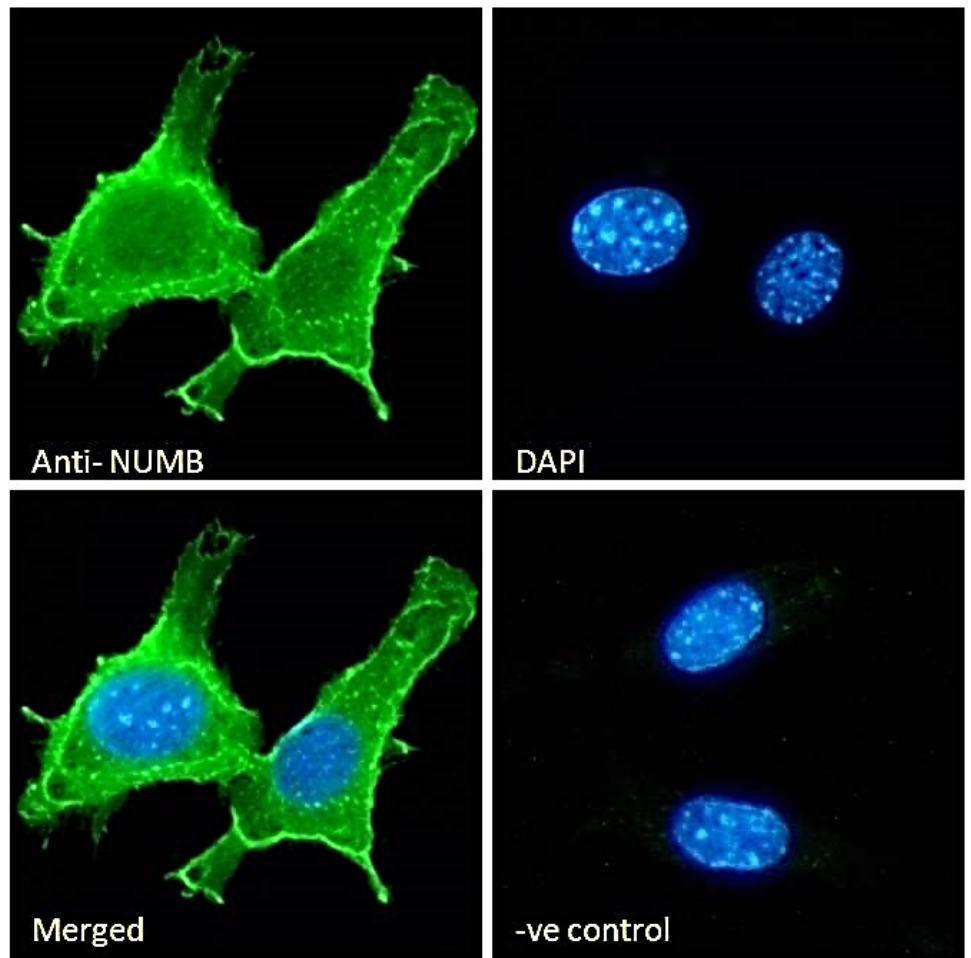
### Species Reactivity

**Tested:** Human, Mouse

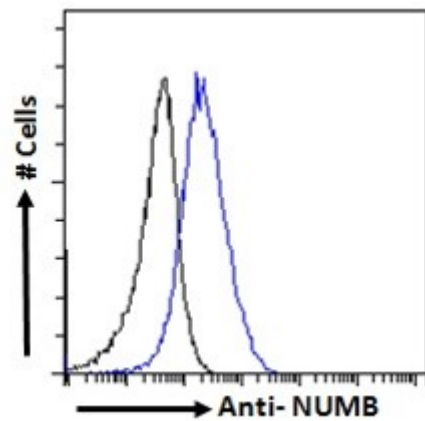
**Expected from sequence similarity:** Human, Mouse, Dog, Cow



EB05296 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cell junction and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

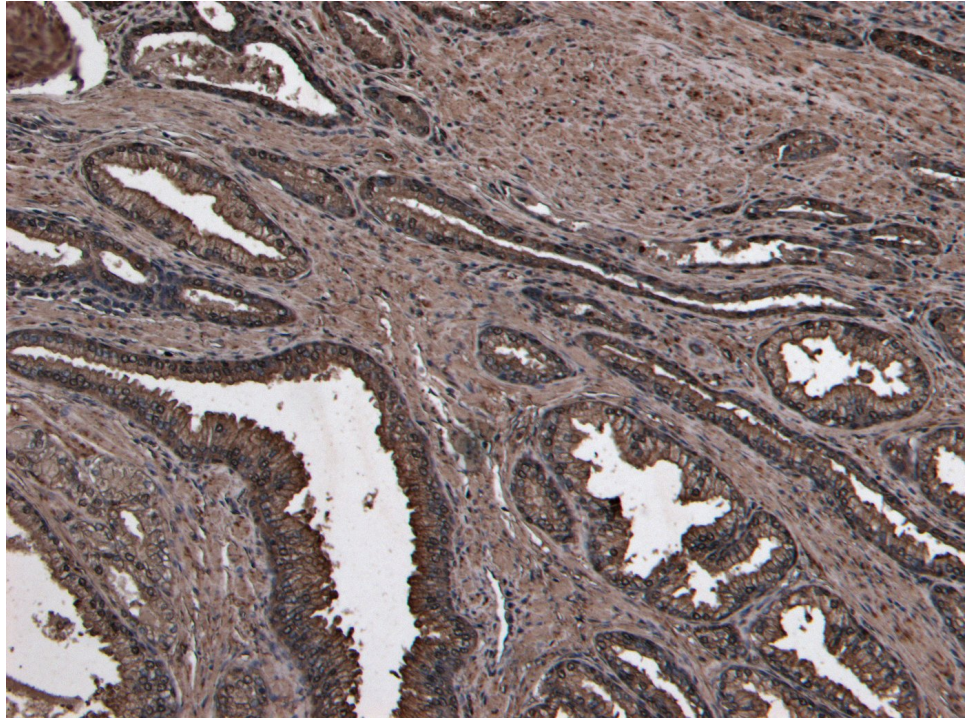


EB05296 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

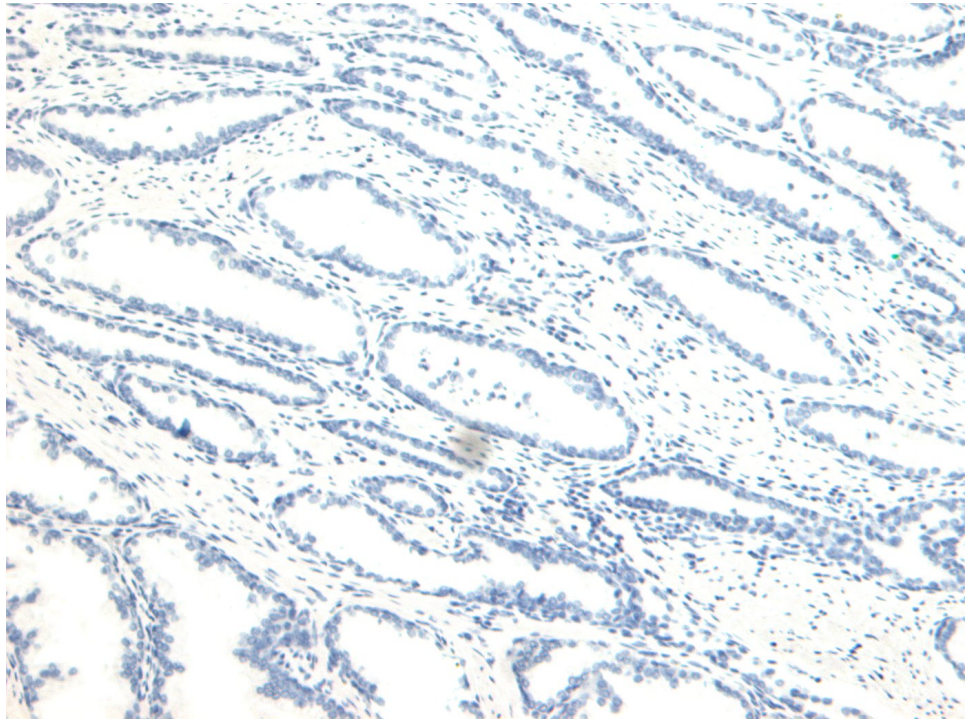


EB05296 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.





EB05296 (8µg/ml) staining of paraffin embedded Human Prostate. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB05296 Negative Control showing staining of paraffin embedded Human Prostate, with no primary antibody.