



## International Office

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

## EB09834 - Goat Anti-HOXD13 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** BDE, BDSD, homeo box 4l, homeo box D13, homeobox D13, HOX4l, SPD, HOXD13

**Official Symbol:** HOXD13

**Accession Number(s):** NP\_000514.2

**Human GeneID(s):** [3239](#)

**Non-Human GeneID(s):** 15433 (mouse), 288154 (rat)

### Immunogen

Peptide with sequence C-HGVGLQQNALKSSPH, from the internal region of the protein sequence according to NP\_000514.2.

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 1:128000.

**Western blot:** Approx 37kDa band observed in Rat Brain lysates (calculated MW of 34.9kDa according to NP\_001099356.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

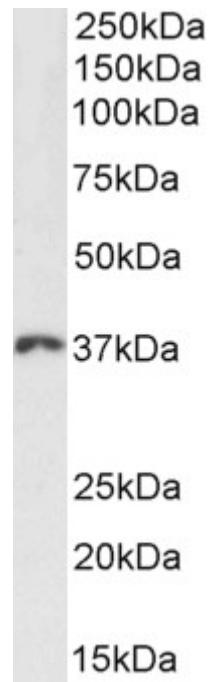
**IHC:** Paraffin embedded Human Prostate. Recommended concentration: 8µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the nucleus of HEK293 and U2OS cells. Recommended concentration: 10µg/ml.

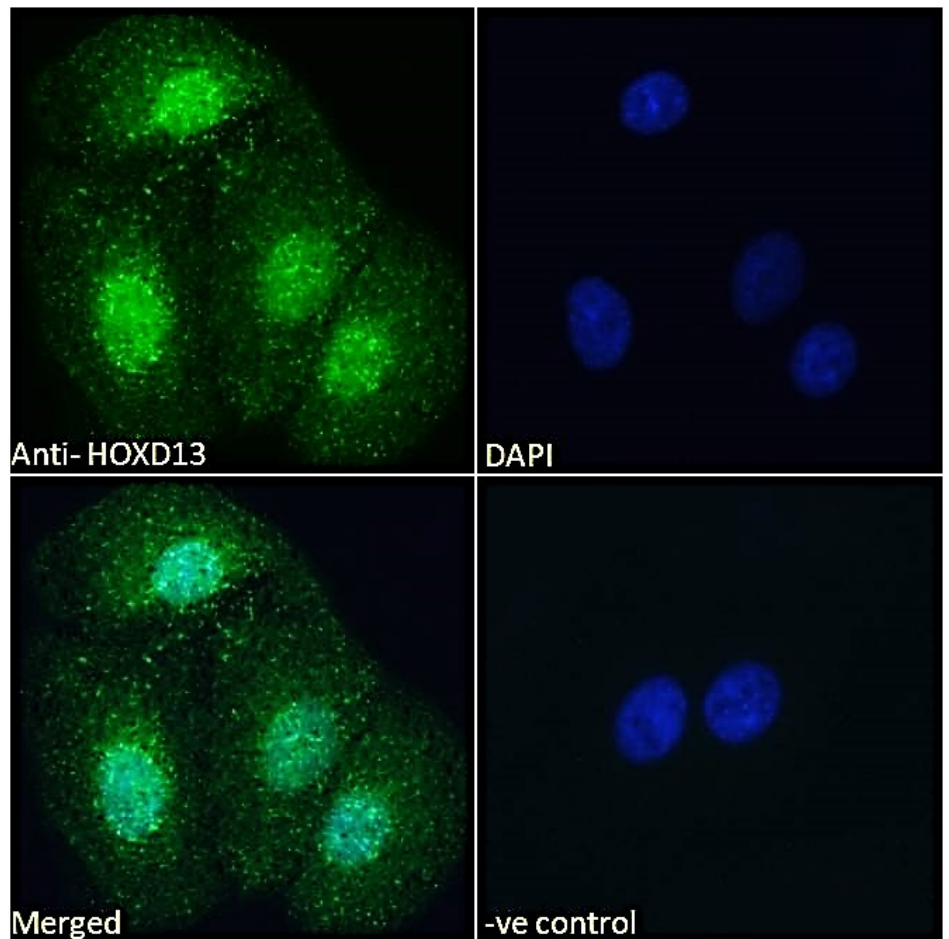
### Species Reactivity

**Tested:** Human, Rat

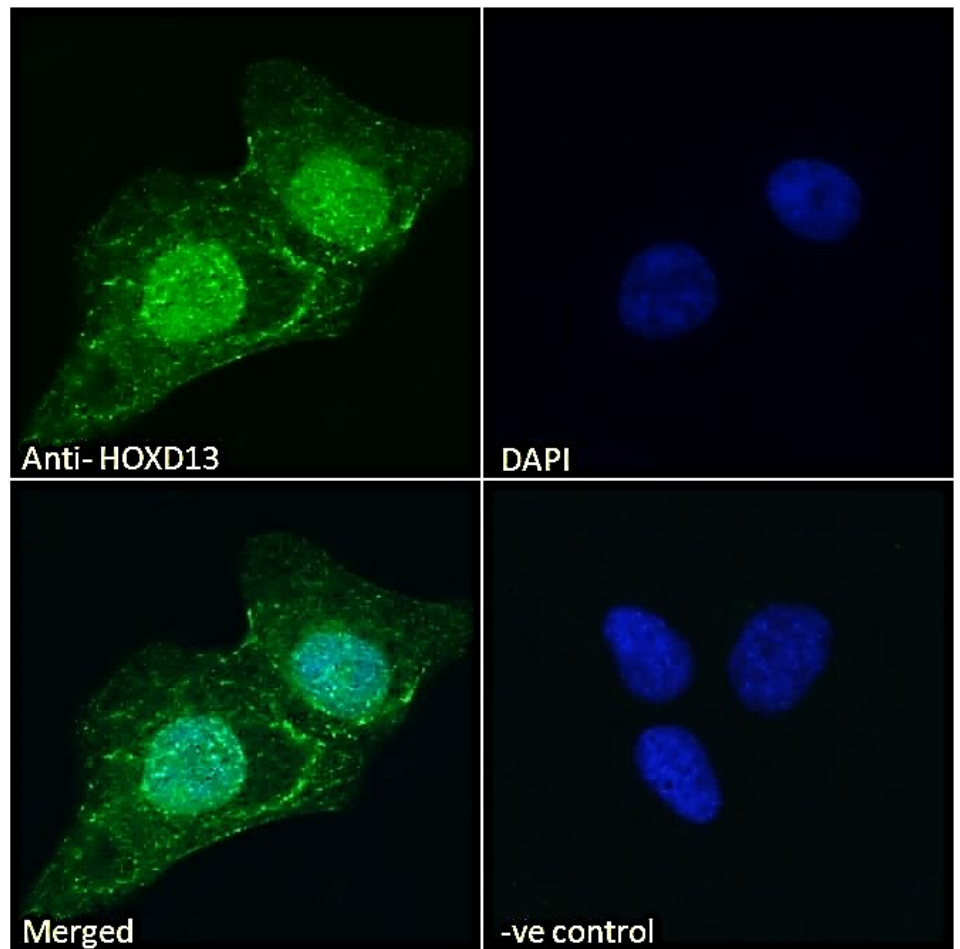
**Expected from sequence similarity:** Human, Mouse, Rat, Cow, Pig



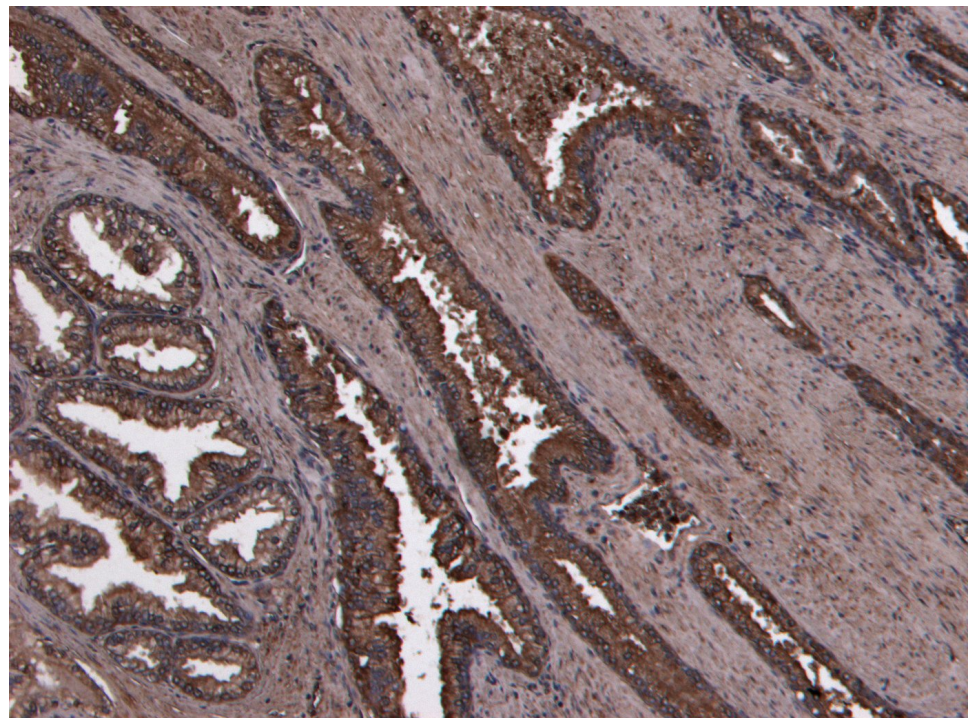
EB09834 (1 $\mu$ g/ml) staining of Rat Brain lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



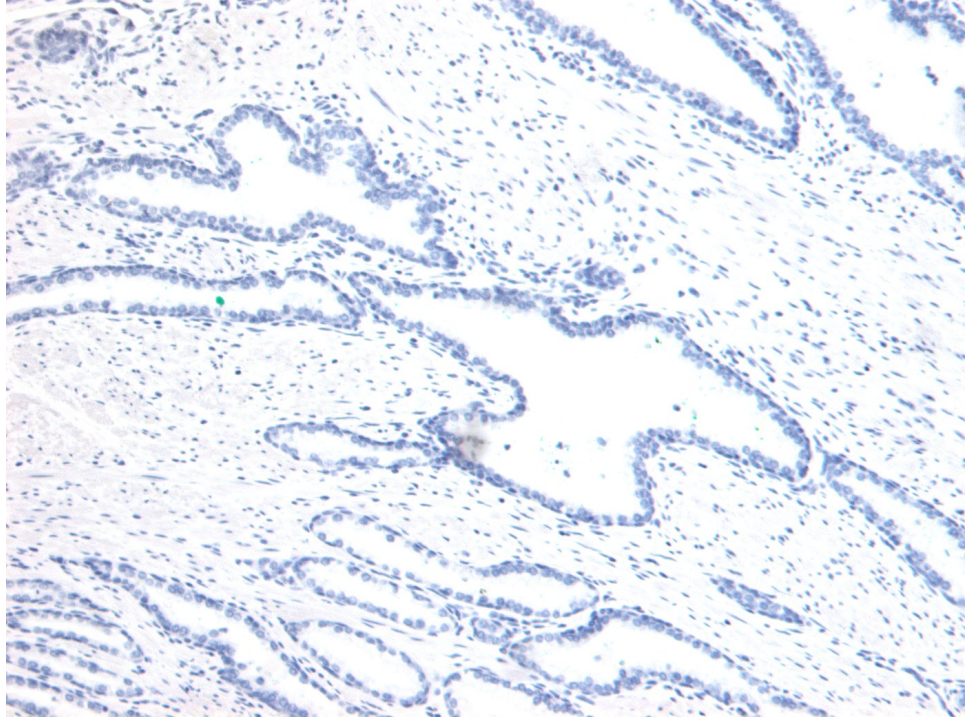
EB09834 Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml).



EB09834 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and weak cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09834 (8µg/ml) staining of paraffin embedded Human Prostate. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB09834 Negative Control showing staining of paraffin embedded Human Prostate, with no primary antibody.