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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 4I, homeo box D13, homeobox D13, HOX4I,

SPD, HOXD13

Official Symbol: HOXD13

Accession Number(s): NP_000514.2

Human GeneID(s): 3239

Non-Human GenelD(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.

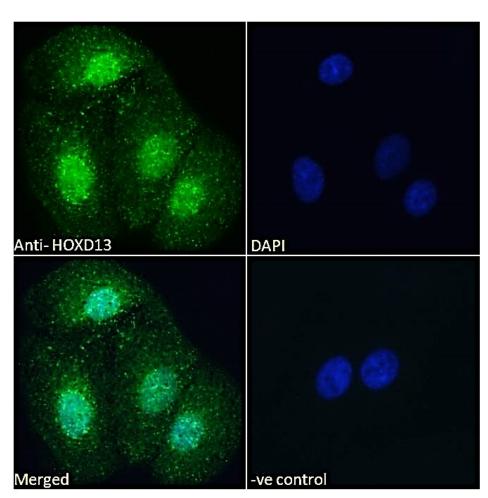
Species Reactivity

Tested: Human, Rat

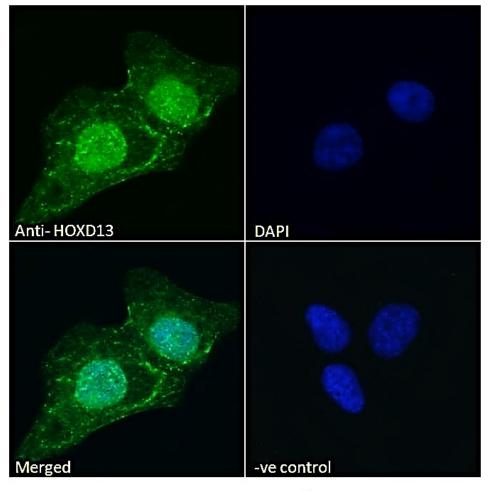
Expected from sequence similarity: Human, Mouse, Rat, Cow, Pig

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

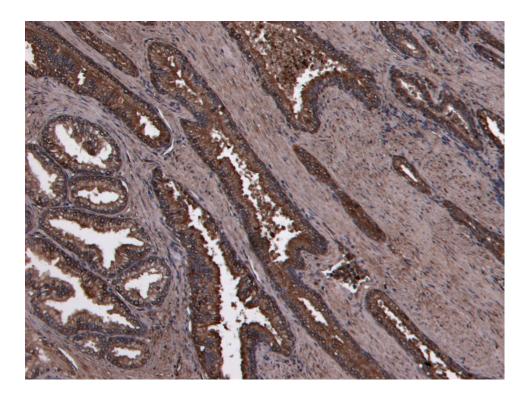
EB09834 (1μg/ml) staining of Rat Brain lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.

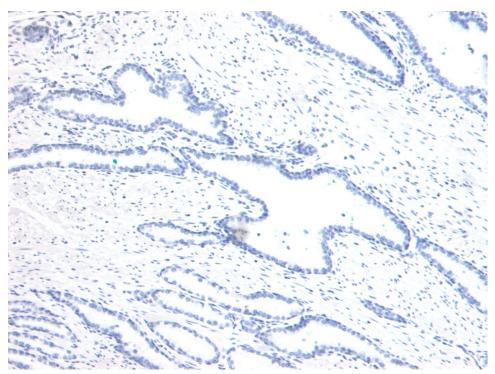


EB09834 Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)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





 ${\tt EB09834\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Prostate,\ with\ no\ primary\ antibody.}$