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Research Use Only. Not for diagnostic or therapeutic use.

EB09833 - Goat Anti-HOXD13 Antibody

Size: 100µg specific antibody in 200µl

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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 GenelD(s): <u>3239</u> Non-Human GenelD(s): 15433 (mouse), 288154 (rat)

Immunogen

Peptide with sequence C-KSSFPGDVALNQPD, 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

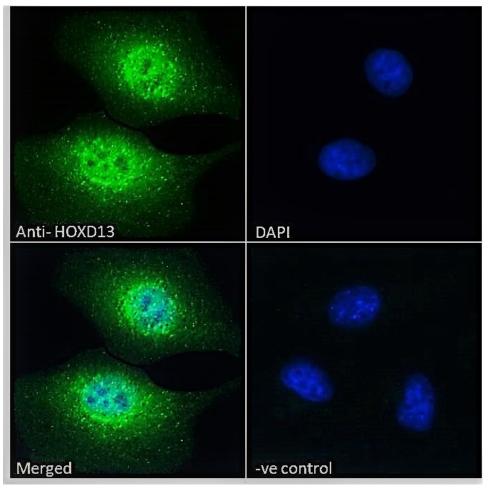
Peptide ELISA: antibody detection limit dilution 1:8000.

IHC: In paraffin embedded Human Prostate shows nuclear staining in the secretory cells. Recommended concentration, 1-2µg/ml.

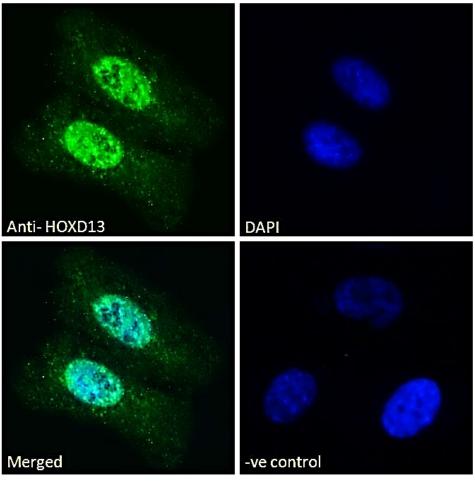
Immunofluorescence: Strong expression of the protein seen in the nucleus of HEK293 and U2OS cells. Recommended concentration: 10µg/ml.

Species Reactivity

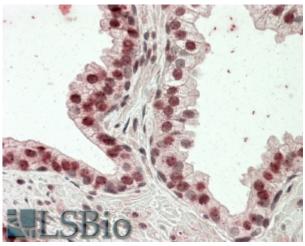
Tested: Human Expected from sequence similarity: Human, Mouse, Rat, Cow



EB09833 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 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).



EB09833 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 nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09833 (3.8µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.