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

EB09833 - 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 GeneID(s): 15433 (mouse), 288154 (rat)

Immunogen

Peptide with sequence C-KSSFPGDVALNQPDP, 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.

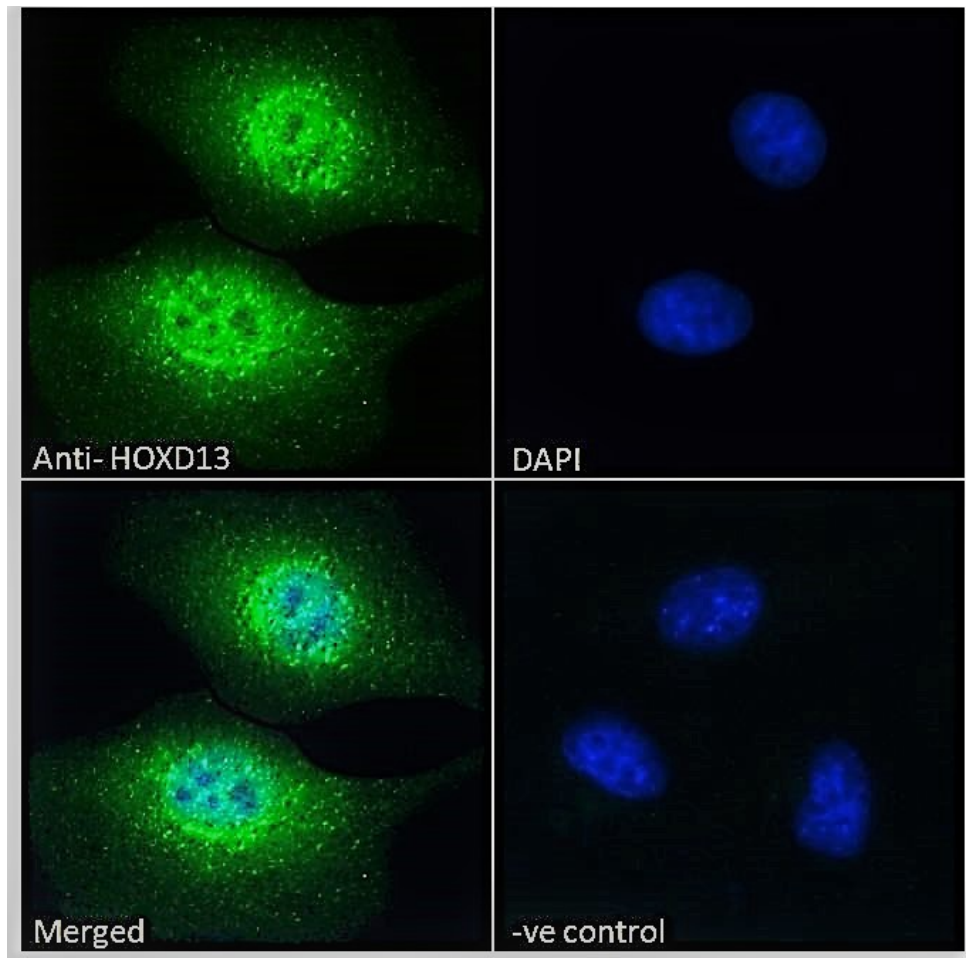
IHC: In paraffin embedded Human Prostate shows nuclear staining in the secretory cells. Recommended concentration, 1-2µg/ml.

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

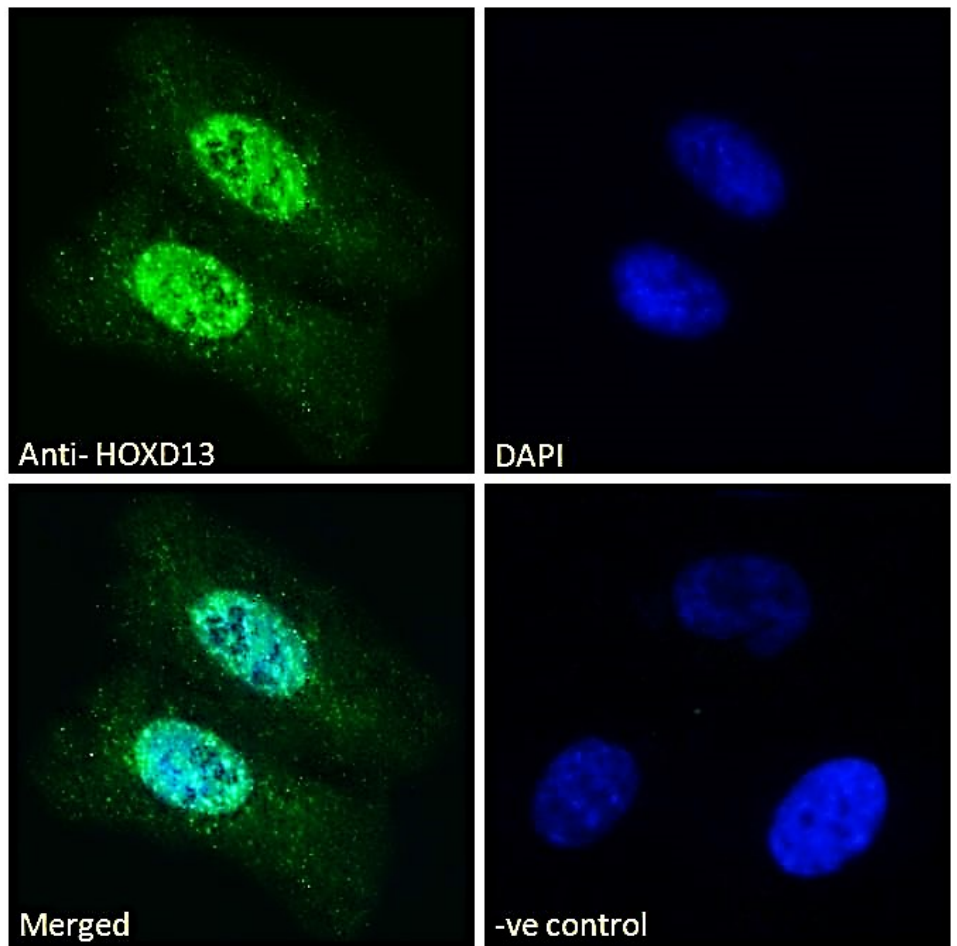
Species Reactivity

Tested: Human

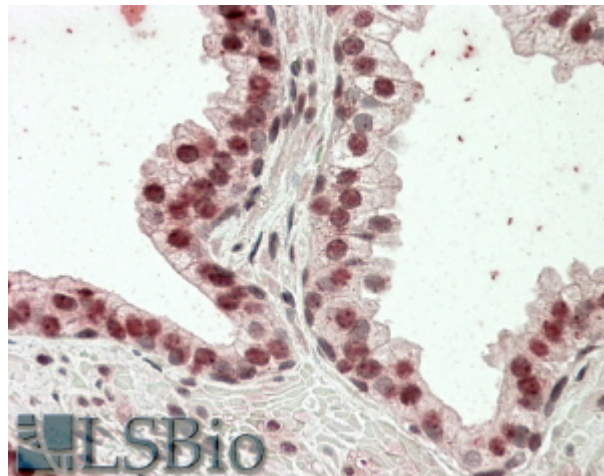
Expected from sequence similarity: Human, Mouse, Rat, Cow



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.