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Product Data Sheet

Anti-HOXB2 Antibody

Catalog #	Source	Reactivity	Applications
CPA1541	Rabbit	H, M, R	WB, IH

Description	Rabbit polyclonal antibody to HOXB2
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HOXB2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of HOXB2 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/100)
Gene Symbol	HOXB2
Alternative Names	HOX2H; Homeobox protein Hox-B2; Homeobox protein Hox-2.8; Homeobox protein Hox-2H; K8
Entrez Gene	3212 (Human); 103889 (Mouse)
SwissProt	P14652 (Human); P0C1T1 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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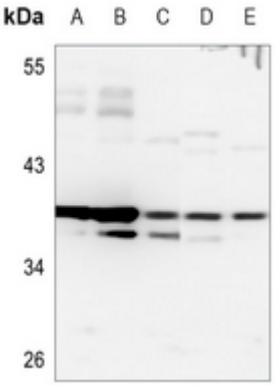
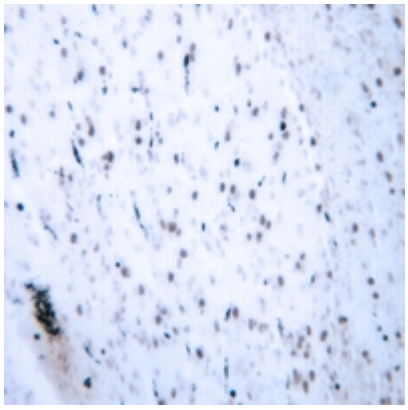


Western blot analysis of HOXB2 expression in H446 (A), H1792 (B), mouse kidney (C), rat kidney (D), rat muscle (E) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 38 kD)



Immunohistochemical analysis of HOXB2 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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