



Goat anti-HOXB6 Antibody

Item Number	dAP-3055
Target Molecule	Principle Name: HOXB6; Official Symbol: HOXB6; All Names and Symbols: HOXB6; homeobox B6; HOX2; HOX2B; HU-2; Hox-2.2; homeo box 2B; homeo box B6; homeobox protein Hox-2.2; homeobox protein Hox-2B; homeobox protein Hox-B6; homeobox protein Hu-2; Accession Number (s): NP_061825.2; Human Gene ID(s): 3216; Non-Human GeneID(s): 15414 (mouse) 497986 (rat)
Immunogen	EPRKSDCAQDKS, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 1000.
Western Blot	Western Blot: Approx 26kDa band observed in lysates of cell lines HEK293, CACO-2 and MRC5 PD19 (calculated MW of 25.4kDa according to NP_061825.2). Recommended concentration: 1-3µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Lung shows nuclear staining in the alvioli. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Ferrai C, Naum-Onganía G, Longobardi E, Palazzolo M, Disanza A, Diaz VM, Crippa MP, Scita G, Blasi F. Induction of HoxB transcription by retinoic acid requires actin polymerization. Mol Biol Cell. 2009 Aug;20(15):3543-51..PMID: 19477923->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**