

Goat anti-LMX1B Antibody

Item Number	dAP-1714
Target Molecule	Principle Name: LMX1B; Official Symbol: LMX1B; All Names and Symbols: LMX1B; LIM homeobox transcription factor 1, beta; LMX1.2; MGC138325; MGC142051; NPS1; LIM homeo box transcription factor 1, beta; Accession Number (s): NP_002307.1; Human Gene ID(s): 4010; Non-Human GeneID(s): 16917 (mouse) 114501 (rat)
Immunogen	QQALTTSCYFRDRK , is from internal region
Applications	Pep ELISA Species Tested:
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 64000.
Western Blot	Western Blot: Preliminary experiments gave an approx 100kDa band in Mouse Kidney lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 41.
IHC	
Reference	Reference(s): Zhao ZQ, Gao YJ, Sun YG, Zhao CS, Gereau RW 4th, Chen ZF. Central serotonergic neurons are differentially required for opioid analgesia but not for morphine tolerance or morphine reward. Proc Natl Acad Sci U S A. 2007 Sep 4;104(36):14519-24. Epub 2007 Aug 27.. PMID: 17724336->

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 end users! This product is sold for **Research Use Only**