

## Goat anti-CHD7 Antibody

<b>Item Number</b>	dAP-1213
<b>Target Molecule</b>	Principle Name: CHD7; Official Symbol: CHD7; All Names and Symbols: chromodomain helicase DNA binding protein 7; FLJ20357; FLJ20361; IS3; KIAA1416; Scoliosis, idiopathic 3; Accession Number (s): NP_060250.2; Human Gene ID(s): 55636; Non-Human GeneID(s): 320790 (mouse) 312974 (rat)
<b>Immunogen</b>	KDEIDEFANSPSE, is from internal region
<b>Applications</b>	Pep ELISA, IHC Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave bands at approx 250kDa and 48kDa in Rat Spinal Cord lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculate
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75µg/ml.
<b>Reference</b>	Reference(s): Gao X, Gordon D, Zhang D, Browne R, Helms C, Gillum J, Weber S, Devroy S, Swaney S, Dobbs M, Morcuende J, Sheffield V, Lovett M, Bowcock A, Herring J, Wise C. CHD7 gene polymorphisms are associated with susceptibility to idiopathic scoliosis. Am J Hum Genet. 2007 May;80(5):957-65. Epub

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**