

## Goat anti-FGF23 Antibody

Item Number	dAP-0962
Target Molecule	Principle Name: FGF23; Official Symbol: FGF23; All Names and Symbols: FGF23; fibroblast growth factor 23 ; ADHR; HPDR2; HYPF; PHPTC ; tumor-derived hypophosphatemia inducing factor; Accession Number (s): NP_065689.1; Human Gene ID(s): 8074; Non-Human GeneID(s):
Immunogen	RHTRSAEDDSERD, is from internal region
Applications	Pep ELISA, WB 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 8000.
Western Blot	Western Blot: Approx 28+37kDa bands observed in Human Brain (Hippocampus) lysates (calculated MW of 27.9kDa according to NP_065689.1). The observed molecular weights correspond to earlier findings in literature with different antibodies (Garringer et al,
IHC	
Reference	Reference(s): Saito H, Kusano K, Kinoshita M, Ito H, Hirata M, Segawa H, Miyamoto K, Fukushima N. Human fibroblast growth factor-23 mutants suppress Na <sup>+</sup> -dependent phosphate co-transport activity and 1 $\alpha$ -ph,25-dihydroxyvitamin D3 production. J Biol Chem. 2003 Jan 24;278(4):2206-11. Epub 2002 Nov 4.

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**