

## Goat anti-PTGDS Antibody

<b>Item Number</b>	dAP-3003
<b>Target Molecule</b>	Principle Name: PTGDS; Official Symbol: PTGDS; All Names and Symbols: PTGDS; prostaglandin D2 synthase 21kDa (brain); L-PGDS; LPGDS; PDS; PGD2; PGDS; PGDS2; PGD2 synthase; beta-trace protein; cerebrin-28; glutathione-independent PGD synthase; glutathione-independent PGD synthetase; lipocalin-type prostaglandin D synthase; I; Accession Number (s): NP_000945.3; Human Gene ID(s): 5730; Non-Human GenID(s):
<b>Immunogen</b>	QVSQQPNFQQDK, is from internal region The immunizing peptide represents the N terminus of the mature protein.
<b>Applications</b>	Pep ELISA, WB, 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 128000.
<b>Western Blot</b>	Western Blot: Approx 27kDa band observed in Human Brain (Cerebellum, Frontal Cortex) lysates (calculated MW of 21.0kDa according to NP_000945.3). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.3-1µg/ml.
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.
<b>Reference</b>	Reference(s): Fukuura A, Yamada M, Fujimori K, Miyamoto Y, Kusumoto T, Nakajima H, Inui T. Lipocalin-type prostaglandin D synthase protects against oxidative stress-induced neuronal cell death. <i>Biochem J</i> . 2012 Apr 1;443(1):75-84.. PMID: 22248185->

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**