

Goat anti-PTGER3 / EP3 Antibody

Item Number	dAP-1569
Target Molecule	Principle Name: PTGER3 / EP3; Official Symbol: PTGER3; All Names and Symbols: PTGER3; EP3; prostaglandin E receptor 3 (subtype EP3) ; EP3-I; EP3-II; EP3-III; EP3-IV; EP3e; MGC141828; MGC141829; MGC27302; PGE receptor, EP3 subtype; prostaglandin E receptor 3, subtype EP3; prostaglandin E2 receptor; prostaglandin receptor (PGE-2); pr; Accession Number (s): NP_000948.2, NP_942005.2; NP_942006.1; Human Gene ID(s): 5733; Non-Human GeneID(s):
Immunogen	KLLREPCSVQLS, is from C Terminus This antibody is expected to recognize isoforms 1, 2 and 3 (NP_000948.2, NP_942005.2 and NP_942006.1).
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 2000.
Western Blot	Western Blot: Approx 55kDa band observed in Human Adipose, Kidney, Pancreas and Placenta lysates (calculated MW of 47.3kDa according to NP_000948.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (
IHC	
Reference	Reference(s): Sarrazin P, Hackett JA, Fortier I, Gallant MA, de Brum-Fernandes A. Role of EP3 and EP4 prostaglandin receptors in reorganization of the cytoskeleton in mature human osteoclasts. J Rheumatol. 2004 Aug;31(8):1598-606.. PMID: 15290741 ->

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**