

Goat anti-EP1 receptor / PTGER1 Antibody

Item Number	dAP-0809
Target Molecule	Principle Name: EP1 receptor / PTGER1; Official Symbol: PTGER1; All Names and Symbols: PTGER1; prostaglandin E receptor 1 (subtype EP1), 42kDa ; EP1; PGE receptor, EP1 subtype; prostaglandin E receptor 1, subtype EP1; prostanoid EP1 receptor; Accession Number (s): NP_000946.2; Human Gene ID(s): 5731; Non-Human GeneID(s):
Immunogen	DSRRRWGAHGPRS, is from internal region
Applications	Pep ELISA, IHC 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 128000.
Western Blot	
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows membranous staining in the epithelial cells of DCT. Recommended concentration: 1-2µg/ml. Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.
Reference	Reference(s): Han C, Wu T. Cyclooxygenase-2-derived prostaglandin E2 promotes human cholangiocarcinoma cell growth and invasion through EP1 receptor-mediated activation of the epidermal growth factor receptor and Akt. J Biol Chem. 2005 Jun 24;280(25):24053-63. Epub 2005 Apr 26. .PMID: 15855163 ->

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**