

## Goat anti-P2X4 / P2X4R Antibody

Item Number	dAP-1546
Target Molecule	Principle Name: P2X4 / P2X4R; Official Symbol: P2RX4; All Names and Symbols: P2X4; P2X4R; P2RX4; purinergic receptor P2X, ligand-gated ion channel, 4; ATP receptor; ATP-gated cation channel protein; P2X purinoceptor 4; P2X receptor, subunit 4; purinergic receptor P2X ligand-gated ion channel 4; purinergic receptor P2X4; purinocept; Accession Number (s): NP_002551.2; Human Gene ID(s): 5025; Non-Human GeneID(s): 18438 (mouse) 29659 (rat)
Immunogen	YREKKYKYVVEDYEQ, is from C Terminus
Applications	Pep ELISA, WB Species Tested: Human, Rat
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	Western Blot: Approx 60-70kDa band observed in Human Kidney, Liver and Rat Kidney (calculated MW of 43.4kDa according to NP_002551.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Brown et al, J
IHC	
Reference	Reference(s): Yeung D, Kharidia R, Brown SC, Górecki DC. Enhanced expression of the P2X4 receptor in Duchenne muscular dystrophy correlates with macrophage invasion. <i>Neurobiol Dis</i> . 2004 Mar;15(2):212-20..PMID: 15006691->

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**