Goat anti-P2RX7 / P2X7 receptor Antibody

Item Number	dAP-1859
Target Molecule	Principle Name: P2RX7 / P2X7 receptor; Official Symbol: P2RX7; All Names and Symbols: P2RX7; puriner-gic receptor P2X, ligand-gated ion channel, 7; MGC20089; P2X7; ATP receptor; P2X purinoceptor 7; P2X7 receptor; P2Z receptor; purinergic receptor P2X7; Accession Number (s): NP_002553.2; Human Gene ID (s): 5027; Non-Human GeneID(s): 18439 (mouse) 29665 (rat)
Immunogen	YETNKVTRIQSMNY, is from N Terminus
Applications	Pep ELISA, WB, 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; Reconsititute 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 16000.
Western Blot	Western Blot: Approx 37kDa and 70kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 68.6kDa according to NP_002553.2). Recommended concentration: 1-3μg/ml. Primary incubation was 1 hour. An additional band of unknown identity was
IHC	Immunohistochemistry: In paraffin embedded Human Brain Cortex shows membranous staining of cell bodies and processes. Recommended concentration: 3-6μg/ml. Paraffin embedded Human Kidney. Rec-ommended concentration: 3.75μg/ml.
Reference	Reference(s): Tomasinsig L, Pizzirani C, Skerlavaj B, Pellegatti P, Gulinelli S, Tossi A, Virgilio FD, Zanetti M, The human cathelicidin LL-37 modulates the activities of the P2X7 receptor in a structure-dependent manner. The Journal of biological chemistry 2008 Nov 283 (45): 30471-81..PMID: 18765670->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final condi-tions should be optimized by the ender users! This product is sold for Research Use Only