



Goat anti-Connexin 43 / GJA1 Antibody

Item Number	dAP-1805
Target Molecule	Principle Name: Connexin 43 / GJA1; Official Symbol: GJA1; All Names and Symbols: GJA1; gap junction protein, alpha 1, 43kDa; CX43; DFNB38; GJAL; ODDD; connexin 43; gap junction 43 kDa heart protein; gap junction protein, alpha-like; Accession Number (s): NP_000156.1; Human Gene ID(s): 2697; Non-Human GeneID(s): 24392 (rat)
Immunogen	QPFDFPDDNQNSKK, is from internal region
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 32000.
Western Blot	Western Blot: Approx 40kDa band observed in Human and Rat Heart lysates (calculated MW of 43.0kDa according to Human NP_000156.1 and Rat NP_036699.1). Recommended concentration: 0.1-1µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): de la Parra DR, Zenteno JC. A new GJA1 (connexin 43) mutation causing oculodentodigital dysplasia associated to uncommon features. Ophthalmic Genet. 2007 Dec;28(4):198-202..PMID: 18161618 ->

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**