

Goat anti-USH1C / Harmonin Antibody

Item Number	dAP-0484
Target Molecule	Principle Name: USH1C / Harmonin; Official Symbol: USH1C; All Names and Symbols: USH1C; harmonin; AIE-75; DFNB18; PDZ-45; PDZ-73; HARMONIN; NY-CO-37; NY-CO-38; PDZ-73/NY-CO-38; Usher syndrome 1C (autosomal recessive, severe); PDZ-73 protein; ush1cpst; deafness, autosomal recessive 18; Accession Number (s): NP_005700.2; NP_710142.1; Human Gene ID(s): 10083; Non-Human GeneID(s): 72088 (mouse) 308596 (rat)
Immunogen	DRKVAREFRHKVD, is from N Terminus This antibody is expected to recognize both reported isoforms (NP_005700.2 and NP_710142.1).
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; 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 75kDa band observed in lysates of cell line HEK293 (calculated MW of 62.2kDa according to NP_005700.2). Recommended concentration: 0.1-0.3µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney, shows diffuse cytoplasmic staining in epithelial cells of renal tubules. Recommended concentration, 10µg/ml. (IHC data have been obtained with EB06287 from previous batch).
Reference	Reference(s): Verpy E, Leibovici M, Zwaenepoel I, Liu XZ, Gal A, Salem N, Mansour A, Blanchard S, Kobayashi I, Keats BJ, Slim R, Petit C. A defect in harmonin, a PDZ domain-containing protein expressed in the inner ear sensory hair cells, underlies Usher syndrome type 1C. Nat Genet. 2000 Sep;26(1):51-5..PMID:

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**