

## Goat anti-USH1C / Harmonin Antibody

<b>Item Number</b>	dAP-0484
<b>Target Molecule</b>	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 GenID(s): 72088 (mouse) 308596 (rat)
<b>Immunogen</b>	DRKVAREFRHKVD, is from N Terminus This antibody is expected to recognize both reported isoforms (NP_005700.2 and NP_710142.1).
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	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.
<b>IHC</b>	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).
<b>Reference</b>	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. <i>Nat Genet.</i> 2000 Sep;26(1):51-5.. PMID: 10953322

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**