



Goat anti-ZO-1 Antibody

Item Number	dAP-1944
Target Molecule	Principle Name: ZO-1; Official Symbol: TJP1; All Names and Symbols: TJP1; tight junction protein 1 (zona occludens 1); DKFZp686M05161; MGC133289; ZO-1; OTTHUMP00000174520; tight junction protein 1; tight junction protein ZO-1; zona occludens 1; zonula occludens 1 protein; Accession Number (s): NP_003248.3; NP_783297.2; Human Gene ID(s): 7082; Non-Human GeneID(s):
Immunogen	PKPTSQNFSEHDKT, is from internal region This antibody is expected to recognize both reported isoforms (NP_003248.3; NP_783297.2)
Applications	Pep ELISA, WB 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 170kDa band observed in Human Brain (Cerebral Cortex) lysates (calculated MW of 187kDa according to NP_783297.2). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Zhong Z, Deane R, Ali Z, Parisi M, Shapovalov Y, O'Banion MK, Stojanovic K, Sagare A, Boillee S, Cleveland DW, Zlokovic BV, ALS-causing SOD1 mutants generate vascular changes prior to motor neuron degeneration. Nat. Neurosci. 2008 Apr 11 (4): 420-2..PMID: 18344992->

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**