



Goat anti-DIAPH1 Antibody

Item Number	dAP-2020
Target Molecule	Principle Name: DIAPH1; Official Symbol: DIAPH1; All Names and Symbols: DIAPH1; diaphanous homolog 1 (Drosophila); DFNA1; DIA1; DRF1; FLJ25265; LFHL1; hDIA1; diaphanous 1; diaphanous-1; diaphanous-related formin 1; Accession Number (s): NP_005210.3; NP_001073280.1; Human Gene ID(s): 1729; Non-Human GeneID(s): 13367 (mouse)
Immunogen	QTKTSKAKKDQ, is from internal region This antibody is expected to recognize both reported isoforms (NP_005210.3; NP_001073280.1).
Applications	Pep ELISA, WB Species Tested: Mouse
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 140kDa band observed in lysates of cell line NIH3T3 (calculated MW of 141kDa according to Human NP_005210.3 and 139kDa according to Mouse NP_031884.1). Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Higashi T, Ikeda T, Shirakawa R, Kondo H, Kawato M, Horiguchi M, Okuda T, Okawa K, Fukai S, Nureki O, Kita T, Horiuchi H Biochemical characterization of the Rho GTPase-regulated actin assembly by diaphanous-related formins, mDia1 and Daam1, in platelets J Biol Chem. 2008 Mar 28;283

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**