

Goat anti-ARHGEF4 Antibody

Item Number	dAP-0561
Target Molecule	Principle Name: ARHGEF4; Official Symbol: ARHGEF4; All Names and Symbols: ARHGEF4; Rho guanine nucleotide exchange factor (GEF) 4; ASEF; GEF4; STM6; KIAA1112; DKFZp434G2016; APC-stimulated guanine nucleotide exchange factor; ASEF1; Rho guanine nucleotide exchange factor 4; Accession Number (s): NP_056135.2; NP_127462.1; Human Gene ID(s): 50649; Non-Human GeneID(s):
Immunogen	PWEEPAGEKPSCS, is from N Terminus This antibody is expected to recognise both reported isoforms (NP_056135.2; NP_127462.1).
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 32000.
Western Blot	Western Blot: Approx 80kDa band observed in Human Brain lysates and in transfected HEK293 transiently expressing ARHGEF4 (calculated MW of 79.1kDa according to NP_056135.2 and 76.4kDa according to 127462.1). Recommended concentration: 2-4µg/ml.
IHC	
Reference	Reference(s): Thiesen S, Kubart S, Ropers HH, Nothwang HG. Isolation of two novel human RhoGEFs, ARHGEF3 and ARHGEF4, in 3p13-21 and 2q22. Biochem Biophys Res Commun. 2000 Jun 24;273(1):364-9..PMID: 10873612 ->

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**