

## Goat anti-KALRN Antibody

<b>Item Number</b>	dAP-1627
<b>Target Molecule</b>	Principle Name: KALRN; Official Symbol: KALRN; All Names and Symbols: KALRN; kalirin, RhoGEF kinase; DUET; FLJ16443; HAPIP; TRAD; duo; huntingtin-associated protein interacting protein (duo); serine/threonine kinase with Dbl- and pleckstrin homology domains; Accession Number (s): NP_001019831.2; NP_003938.1; NP_008995.2; Human Gene ID(s): 8997; Non-Human GeneID(s): 545156 (mouse) 84009 (rat)
<b>Immunogen</b>	DRGSFRNDGLKAS, is from N Terminus This antibody is expected to recognize reported isoforms NP_001019831.2 and NP_003938.1.
<b>Applications</b>	Pep ELISA  Species Tested:
<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 64000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 49kDa band in Human, Mouse and Rat Brain lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculate
<b>IHC</b>	
<b>Reference</b>	Reference(s): Xie Z, Srivastava DP, Photowala H, Kai L, Cahill ME, Woolfrey KM, Shum CY, Surmeier DJ, Penzes P. Kalirin-7 controls activity-dependent structural and functional plasticity of dendritic spines. <i>Neuron</i> . 2007 Nov 21;56(4):640-56.. PMID: 18031682->

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**