

## Goat anti-AKAP9 / AKAP450 / CG-NAP Antibody

<b>Item Number</b>	dAP-0617
<b>Target Molecule</b>	Principle Name: AKAP9 / AKAP450 / CG-NAP; Official Symbol: AKAP9; All Names and Symbols: AKAP9; CG-NAP; PRKA9; YOTIAO; AKAP350; HYPERION; KIAA0803; A kinase (PRKA) anchor protein (yotiao) 9; AKAP120-like protein; kinase N-associated protein; A-kinase anchoring protein 450; A-kinase anchor protein, 350kDa; protein kinase A anchoring protein 9; Accession Number (s): NP_005742.4; NP_671714.1; Human Gene ID(s): 10142; Non-Human GeneID(s):
<b>Immunogen</b>	SGSTTQFHAGMR, is from C Terminus This antibody is expected to recognise isoforms 2 and 3 (NP_005742.4; NP_671714.1 respectively). The isoforms Yotiao, AKAP350B and AKAP350C are not recognized.
<b>Applications</b>	Pep ELISA, WB, IF  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 64000.
<b>Western Blot</b>	Western Blot: This product has been successfully used by a customer, showing a band at approx 450kDa in lysates of cell line HepG2 (calculated MW of 453kDa according to NP_005742.4). Recommended concentration: 1-3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Ciampi R, Knauf JA, Kerler R, Gandhi M, Zhu Z, Nikiforova MN, Rabes HM, Fagin JA, Nikiforov YE. Oncogenic AKAP9-BRAF fusion is a novel mechanism of MAPK pathway activation in thyroid cancer. J Clin Invest. 2005 Jan;115(1):94-101. .PMID: 15630448 ->

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**