

Goat anti-PIR51 / RAD51AP1 Antibody

Item Number	dAP-0430
Target Molecule	Principle Name: PIR51 / RAD51AP1; Official Symbol: RAD51AP1; All Names and Symbols: RAD51AP1; PIR51; RAD51-interacting protein; RAD51 associated protein 1; Accession Number (s): NP_001124334.1; NP_006470; Human Gene ID(s): 10635; Non-Human GeneID(s):
Immunogen	ARVKPLHPNATST, is from C Terminus This antibody is expected to recognise both reported isoforms.
Applications	Pep ELISA, IHC 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: Preliminary experiments gave an approx 25kDa band in Human Testis lysates at 0.2ug/ml. This band was successfully blocked by incubation with the immunising peptide. Please note that currently we cannot find an explanation in the literature
IHC	Immunohistochemistry: In paraffin embedded Human Testis shows nuclear staining in spermatocytes and spermatids. Recommended concentration, 4-6µg/ml.
Reference	Reference(s): Kovalenko OV, Golub EI, Bray-Ward P, Ward DC, Radding CM. A novel nucleic acid-binding protein that interacts with human rad51 recombinase. Nucleic Acids Res. 1997 Dec 15;25(24):4946-53..PMID: 9396801 ->

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**