



## Goat anti-PIAS2 Antibody

<b>Item Number</b>	dAP-1069
<b>Target Molecule</b>	Principle Name: PIAS2; Official Symbol: PIAS2; All Names and Symbols: PIAS2; protein inhibitor of activated STAT, 2 ; MGC102682; MIZ1; PIASX-ALPHA; PIASX-BETA; SIZ2; miz ; Msx-interacting-zinc finger; protein inhibitor of activated STAT X; ARIP3; Accession Number (s): NP_775298.1; NP_004662.2; Human Gene ID(s): 9063; Non-Human GeneID(s): 17344 (mouse)
<b>Immunogen</b>	KEAMKVSSQPCTKIE, is from internal region This antibody is expected to recognise both reported isoforms (NP_775298.1 and NP_004662.2). No cross-reactivity expected with PIAS1, 3 and 4.
<b>Applications</b>	Pep ELISA, IHC  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 8000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 90kDa band in lysates of cell line A431 after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Testis shows nuclear and extra-nuclear staining in spermatids. Recommended concentration, 3-5µg/ml.
<b>Reference</b>	Reference(s): van den Akker E, Ano S, Shih HM, Wang LC, Pironin M, Palvimo JJ, Kotaja N, Kirsh O, De-jean A, Ghysdael J. FLI-1 functionally interacts with PIASxalpha, a member of the PIAS E3 SUMO ligase family. J Biol Chem. 2005 Nov 11;280(45):38035-46. Epub 2005 Sep 7. .PMID: 16148010 ->

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**