

## Goat anti-NANOG Antibody

<b>Item Number</b>	dAP-0708
<b>Target Molecule</b>	Principle Name: NANOG; Official Symbol: NANOG; All Names and Symbols: NANOG; Nanog homeobox; HGNC:20857 ; homeobox transcription factor Nanog; homeobox transcription factor Nanog-delta 48; Accession Number (s): NP_079141.2; Human Gene ID(s): 79923; Non-Human GeneID(s): 71950 (mouse) 414065 (rat)
<b>Immunogen</b>	QNQRMKSKRWQKNN, is from internal region
<b>Applications</b>	Pep ELISA, WB, IF, IHC, EIA 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: Approx 38kDa band observed in Human Ovary lysates (calculated MW of 34.6kDa according to NP_079141.2). Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.
<b>IHC</b>	Immunohistochemistry: This antibody was successfully used in Vassena et al, Hum Mol Genet. 2012 Aug 1;21(15):3366-73. PMID: 22547223, Sancho-Martinez et al, Nat Commun. 2016 Feb 22;7:10743. PMID: 26899176, and Montserrat et al, Cell Transplant. 2012;21(5)
<b>Reference</b>	Reference(s): Hyslop L, Stojkovic M, Armstrong L, Walter T, Stojkovic P, Przyborski S, Herbert M, Murdoch A, Strachan T, Lako M. Downregulation of NANOG induces differentiation of human embryonic stem cells to extraembryonic lineages. Stem Cells. 2005 Sep;23(8):1035-43. Epub 2005 Jun 27..PMID: 15983365->

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**