



Goat anti-OCT4 / POU5F1 Antibody

Item Number	dAP-0878
Target Molecule	Principle Name: OCT4 / POU5F1; Official Symbol: POU5F1; All Names and Symbols: POU5F1; OTF4; POU domain, class 5, transcription factor 1; HGNC:9221; MGC22487; OCT3; OTF3; POU-type homeodomain-containing DNA-binding protein; octamer-binding transcription factor-3; POU class 5 homeobox 1; DADB-104B20.2; OCT4; POU domain, class 5, tran; Accession Number (s): NP_002692.2; NP_976034.3; Human Gene ID(s): 5460; Non-Human GeneID(s): 18999 (mouse) 294562 (rat)
Immunogen	C-VTTLGSPMHSN, is from C Terminus This antibody is expected to recognise both reported isoforms (NP_002692.2 and NP_976034.3)
Applications	Pep ELISA, WB Species Tested: Human, Mouse
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 2000.
Western Blot	Western Blot: Approx 30kDa band observed in Human Placenta, and approx 28kDa in Mouse Heart lysates (calculated MW of 30.1kDa according to Human NP_976034.3 and 25.0kDa according to Mouse NP_001239381.1). Recommended concentration: 0.5--2µg/ml.
IHC	
Reference	Reference(s): Jones TD, Ulbright TM, Eble JN, Baldrige LA, Cheng L. OCT4 staining in testicular tumors: a sensitive and specific marker for seminoma and embryonal carcinoma. Am J Surg Pathol. 2004 Jul;28(7):935-40..PMID: 15223965->

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**