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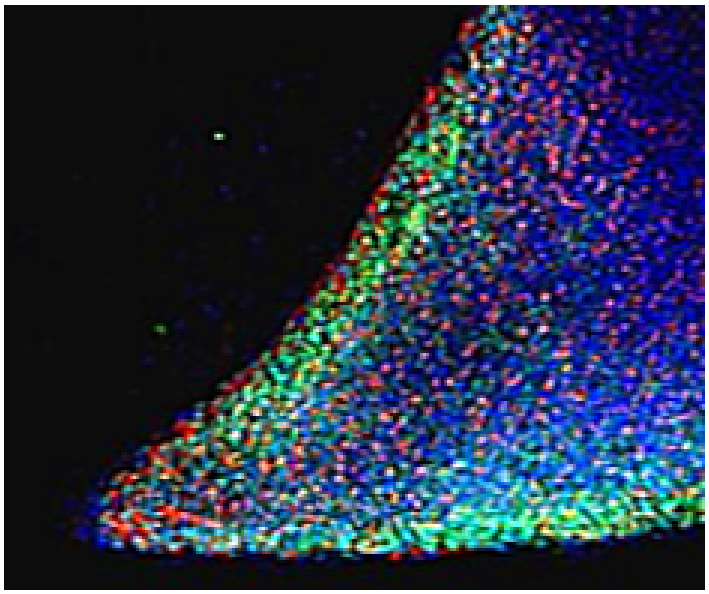
GOAT ANTI-NANOG ANTIBODY

SKU: EB06860



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	homeobox transcription factor Nanog-delta 48|homeobox transcription factor Nanog|HGNC:20857|Nanog homeobox|NANOG
Usage Summary	IF/ICC: Parts of a keratinocyte-derived colony of induced pluripotent stem cells are stained for Nanog (green). This antibody was successfully used in IF on Human: PMID: 30878013, 21681858, 22613719, 21877920. 21285354,19890879, 19483674 and 18931654. This antibody was successfully used in ICC on Human: PMID: 31479876, 29034898 and 29034891. Enzyme immunoassay: This antibody does not work in PFA-fixed frozen embryos and ESC from Mouse.
Accession ID	NP_079141.2
Blocking Peptide	EBP06860
Immunogen	Peptide with sequence C-QNQRMKSKRWQKNN, from the internal region of the protein sequence according to NP_079141.2.

Peptide Sequence	C-QNQRMKSKRWQKNN
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Dog, Pig
Reactive Species	Human
Human Gene ID	79923
Mouse Gene ID	71950
Rat Gene ID	414065
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
IHC Results	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):815-25. PMID: 21944493.
ELISA Detection Limit	Antibody detection limit dilution 1:64000.
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.
Application Type	Pep-ELISA, WB, IF, IHC

SELECTED REFERENCES

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Raya and J.C. Izpisua Belmonte", "journal": "Hum Gene Ther. 2012 Jan; 23(1): 56–69."}, {"pmid": 31479876, "intro": "**This antibody has been successfully used in ICC on Human:**", "title": "Generation of the induced human pluripotent stem cell lines CSSi009-A from a patient with GNB5 pathogenic variant, and CSSi010-A from a CRISPR/Cas9 engineered GNB5 knock-out human cell line.", "author": "N. Malerba, P. Benzoni, G.M. Squeo, et al", "journal": "Stem Cell Research (2019), https://doi.org/10.1016/j.scr.2019.101547."}, {"pmid": 30878013, "intro": "**This antibody has been successfully used in IF on Human:**", "title": "Generation of two transgene-free human iPSC lines from CD133+ cord blood cells (2019)", "author": "Estibaliz Arellano-Viera, Lorea Zabaleta, Julio Castaño, Garikoitz Azkona, Xonia Carvajal-Vergara, Alessandra Giorgetti", "journal": "https://doi.org/10.1016/j.scr.2019.101410"}, {"pmid": 26899176, "intro": "**This antibody has been successfully used in IHC on Human:**", "title": "Establishment of human iPSC-based models for
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DOCUMENTS

- Data Sheet

GALLERY IMAGES

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