OCT4/POU5F1 Polyclonal Antibody

Catalog No: #21424

Package Size: #21424-1 50ul #21424-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

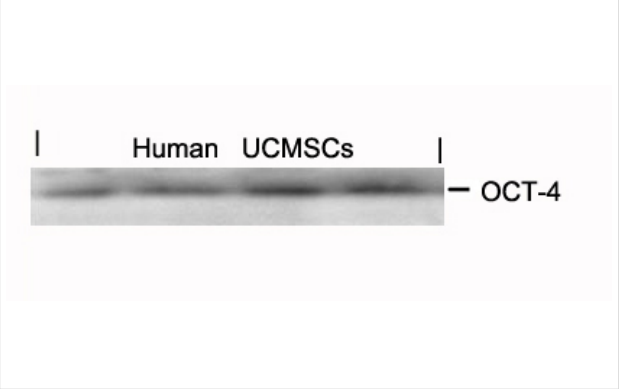
Description

Product Name	OCT4/POU5F1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB;IHC;ELISA
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous level of total OCT-4 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.232~236 (R-K-R-T-S) derived from OCT-4
Conjugates	Unconjugated
Target Name	OCT-4
Other Names	Otc3; OTF3; OTF4; OTF-3;
Accession No.	Swiss-Prot: Q01860NCBI Protein: NP_002692.2
Calculated MW	39kDa
SDS-PAGE MW	50kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

WB 1:2000-1:5000;IHC 1:500-1:2000;

Images



Western blot analysis of extracts from human Umbilical cord mesenchymal stem cell using OCT-4 Antibody #21424.

Background

Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3'). Forms a trimeric complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency

Pesce, M. and Scholer, H.R. (2001) Stem Cells 19, 271-278.
Pan, G. and Thomson, J.A. (2007) Cell Res 17, 42-9.
Cauffman, G. et al. (2006) Stem Cells 24, 2685-91.

Published Papers

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el at., Exosomes derived from human mesenchymal stem cells promote gastric cancer cell growth and migration via the activation of the Akt pathway.In Mol Med Rep.On 2016 Oct by Gu H, Ji R et al..PMID:27513187, , (2016)

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el at., Exosomal TRIM3 is a novel marker and therapy target for gastric cancer.In J Exp Clin Cancer Res.On 2018 Jul 21 by Fu H, Yang H et al..PMID:30031392, , (2018)

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el at., H. pylori infection-induced MSC differentiation into CAFs promotes epithelial-mesenchymal transition in gastric epithelial cells.In Int J Mol Med on 2013 Dec by Zhang Q, Wang M,et al..PMID:24145921, , (2013)

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el at., Tumorigenic hybrids between mesenchymal stem cells and gastric cancer cells enhanced cancer proliferation, migration and stemness.In BMC Cancer on 2015 Oct 24 by Jianguo Xue , Yuan Zhu et al..PMID: 26498753, , (2015)

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el at., Activation of mesenchymal stem cells by macrophages prompts human gastric cancer growth through NF-ı-• B pathway.In PLoS One on 2014 May 13 by Tingting Yang , Xu Zhang et al..PMID:24824968, , (2014)

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