Datasheet for ABIN542851

anti-Nanog antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	Nanog (NANOG)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nanog antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of NANOG.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human NANOG.
Cross-Reactivity:	Human

Target Details

Target:	Nanog (NANOG)
Alternative Name:	NANOG (NANOG Products)
Gene ID:	79923
Pathways:	Stem Cell Maintenance

Application Details

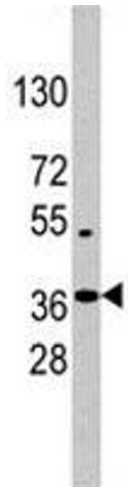
Application Notes:	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

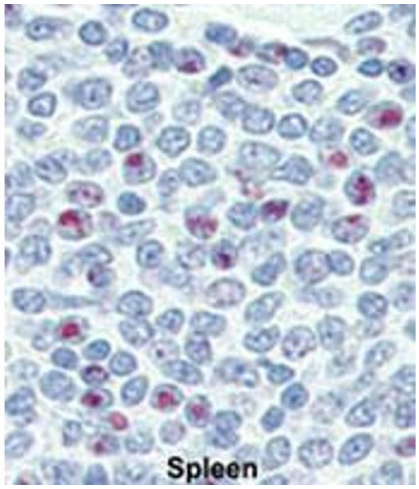
Publications

Product cited in:	Freberg, Dahl, Timoskainen, Collas: "Epigenetic reprogramming of OCT4 and NANOG regulatory regions by embryonal carcinoma cell extract." in: **Molecular biology of the cell**, Vol. 18, Issue 5, pp. 1543-53, (2007) (PubMed). Kochupurakkal, Sarig, Fuchs, Piestun, Rechavi, Givol: "Nanog inhibits the switch of myogenic cells towards the osteogenic lineage." in: **Biochemical and biophysical research communications**, Vol. 365, Issue 4, pp. 846-50, (2007) (PubMed).



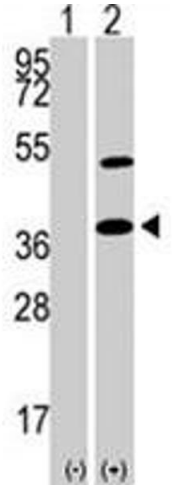
Western Blotting

Image 1. Western blot analysis of NANOG polyclonal antibody in K-562 cell line lysates (35 ug/lane). NANOG (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human spleenreacted with NANOG polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of NANOG (arrow) using NANOG polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NANOG gene (Lane 2) (Origene Technologies).