

For Research Use Only

CoraLite®594-conjugated OCT4 Polyclonal antibody



Catalog Number:CL594-11263

Featured Product

Basic Information

Catalog Number: CL594-11263	GenBank Accession Number: BC020712	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5460	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: POU class 5 homeobox 1	Excitation/Emission maximum wavelengths: 594 nm / 615 nm
Isotype: IgG	Calculated MW: 39 kDa	
Immunogen Catalog Number: AG1794	Observed MW: 50 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : NCCIT cells,
Species Specificity: human, mouse, rat	

Background Information

Octamer-binding protein 4 (OCT4), also known as POU5F1 or OCT3/4, is a member of the POU gene family and encoded by the human gene POU5F1 (POU domain class 5 transcription factor 1). OCT4 is a member of the Octamer class of transcription factors that recognize the 8-base pair consensus motif 5'-ATGCAAAT-3'. Expression of OCT4 is associated with an undifferentiated, pluripotent stem cell phenotype and tumors. OCT4 is also expressed in the developing brain, with the highest levels found in the cortex, olfactory bulb, and the hippocampus.

Storage

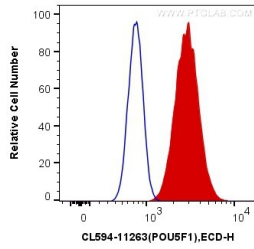
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

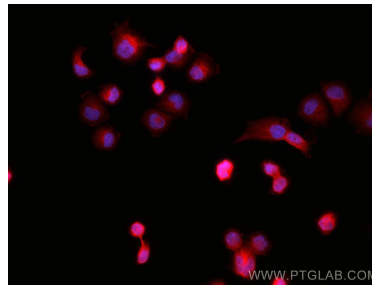
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® 594 Anti-Human OCT4 (CL594-11263) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed NCCIT cells using CoraLite® 594 OCT4 antibody (CL594-11263) at dilution of 1:200.