

## Product datasheet for **TA324706**

### Oct4 (POU5F1) Rabbit Polyclonal Antibody

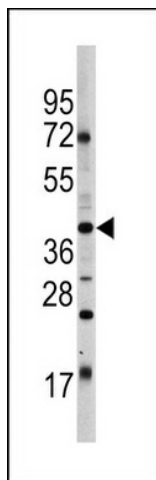
#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1:1000, IF: 1:10~50
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This OCT4 (OCT3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 110-141 amino acids from human OCT4 (OCT3).
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38571 Da
Gene Name:	POU class 5 homeobox 1
Database Link:	<a href="#">NP_976034</a> <a href="#">Entrez Gene 5460 Human</a> <a href="#">Q01860</a>
Synonyms:	Oct-3; Oct-4; OCT3; OCT4; OTF-3; OTF3; OTF4
Protein Families:	Adult stem cells, Cancer stem cells, Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency, Transcription Factors

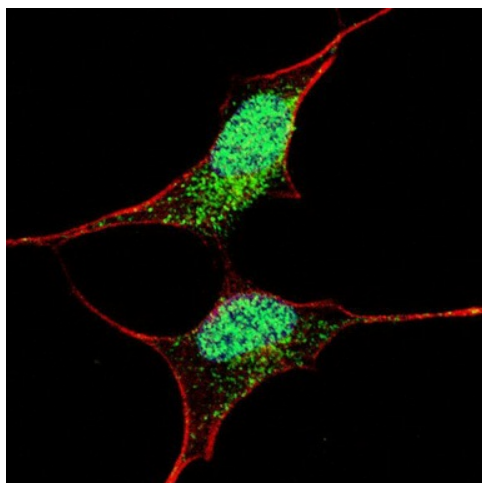


[View online »](#)

## Product images:



Western blot analysis of OCT3/4 Antibody (E125) in HL60 cell line lysates (35ug/lane). OCT3/4 (arrow) was detected using the purified Pab.



IF image of SY5Y cells stained with TA324706 OCT4 (E125) antibody. SY5Y cells were incubated with TA324706 OCT4 (E125) primary antibody (1:500, 2 h at RT). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin. Nuclei were counterstained with Hoechst 33342 (blue). OCT4 immunoreactivity is localized mainly to the nuclei and also to the cytoplasm.