



Anti-POU5F1B (C-terminal) polyclonal antibody (DPAB-DC2347)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This intronless gene was thought to be a transcribed pseudogene of POU class 5 homeobox 1, however, it has been reported that this gene can encode a functional protein. The encoded protein is nearly the same length as and highly similar to the POU class 5 homeobox 1 transcription factor, has been shown to be a weak transcriptional activator and may play a role in carcinogenesis and eye development.
Specificity	This antibody is expected to crossreact to the almost identical OCT4 / POU5F1 (GeneID 5460).
Immunogen	A synthetic peptide corresponding to amino acids near C-terminus of human POU5F1B. The sequence is C-TPGYGSPHFTALYS
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Preservative	0.02% Sodium Azide

Storage

Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	POU5F1B POU class 5 homeobox 1B [Homo sapiens (human)]
Official Symbol	POU5F1B
Synonyms	POU5F1B; POU class 5 homeobox 1B; OTF3C; OTF3P1; OCT4PG1; OCT4-PG1; POU5F1P1; POU5F1P4; POU5FLC8; POU5FLC20; putative POU domain, class 5, transcription factor 1B; POU 5 domain protein; POU class 5 homeobox 1 pseudogene 1; POU domain transcription factor Oct-4; octamer binding protein 3_like sequence; POU domain transcription factor OCT4-pg1; POU domain, class 5, transcription factor 1 pseudogene 1;
Entrez Gene ID	5462
Protein Refseq	NP_001153014
UniProt ID	Q06416
Chromosome Location	8q24.21
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;