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Datasheet for ABIN7164066
anti-POU4F1 antibody (AA 258-419) (HRP)

Overview

Quantity:	100 µL
Target:	POU4F1
Binding Specificity:	AA 258-419
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POU4F1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human POU domain, class 4, transcription factor 1 protein (258-419AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	POU4F1
Alternative Name:	POU4F1 (POU4F1 Products)
Background:	Background: Multifunctional transcription factor with different regions mediating its different effects. Acts by binding (via its C-terminal domain) to sequences related to the consensus

Target Details

octamer motif 5'-ATGCAAAT-3' in the regulatory regions of its target genes. Regulates the expression of specific genes involved in differentiation and survival within a subset of neuronal lineages. It has been shown that activation of some of these genes requires its N-terminal domain, maybe through a neuronal-specific cofactor. Activates BCL2 expression and protects neuronal cells from apoptosis (via the N-terminal domain). Induces neuronal process outgrowth and the coordinate expression of genes encoding synaptic proteins. Exerts its major developmental effects in somatosensory neurons and in brainstem nuclei involved in motor control. Stimulates the binding affinity of the nuclear estrogen receptor ESR1 to DNA estrogen response element (ERE), and hence modulates ESR1-induced transcriptional activity. May positively regulate POU4F2 and POU4F3. Regulates dorsal root ganglion sensory neuron specification and axonal projection into the spinal cord. Plays a role in TNFSF11-mediated terminal osteoclast differentiation. Negatively regulates its own expression interacting directly with a highly conserved autoregulatory domain surrounding the transcription initiation site.

Aliases: Brain specific homeobox/POU domain protein 3A antibody, Brain-3A antibody, Brain-specific homeobox/POU domain protein 3A antibody, Brn 3.0 antibody, BRN 3A antibody, Brn-3A antibody, Brn3 antibody, BRN3A antibody, class 4 antibody, FLJ13449 antibody, Homeobox/POU domain protein RDC 1 antibody, Homeobox/POU domain protein RDC-1 antibody, Homeobox/POU domain protein RDC1 antibody, Oct T1 antibody, Oct-T1 antibody, OctT1 antibody, PO4F1_HUMAN antibody, POU class 4 homeobox 1 antibody, POU domain antibody, POU Domain Class 4 Transcription Factor 1 antibody, Pou4f1 antibody, RDC 1 antibody, RDC1 antibody, transcription factor 1 antibody

UniProt: [Q01851](#)

Pathways: [Feeding Behaviour](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.