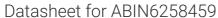
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anti-POU4F1 antibody (Internal Region)



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Target:

Quantity:	100 μL
Target:	POU4F1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POU4F1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Product Details Immunogen:	A synthesized peptide derived from human POU4F1, corresponding to a region within the internal amino acids.
Immunogen:	internal amino acids.
Immunogen: Isotype:	internal amino acids.
Immunogen: Isotype: Specificity:	internal amino acids. IgG POU4F1 Antibody detects endogenous levels of total POU4F1.

POU4F1

Target Details

Alternative Name:	POU4F1 (POU4F1 Products)	
Background:	Description: Multifunctional transcription factor with different regions mediating its different	
	effects. Acts by binding (via its C-terminal domain) to sequences related to the consensus	
	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. Ativates 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 estrogene 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.	
	Gene: POU4F1	
Molecular Weight:	42 kDa	
Gene ID:	5457	
UniProt:	Q01851	
Pathways:	Feeding Behaviour	
Application Details		
Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %	
	glycerol.	
	Sodium azide	

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	
Expiry Date:	12 months	