

Rabbit anti-Human, Mouse POU4F3 Polyclonal Antibody | anti-POU4F3 antibody

POU4F3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324322	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

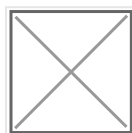
PRODUCT SYNONYMS

POU4F3; Polyclonal Antibody; POU4F3 Antibody; Brain specific homeobox/POU domain protein 3C; Brain-3C; Brain-specific homeobox/POU domain protein 3C; BRN 3C; Brn-3C; BRN3C; class 4; DFNA 15; DFNA15; MGC138412; PO4F3_HUMAN; POU class 4 homeobox 3; POU domain; POU domain class 4 transcription factor 3; transcription factor 3; anti-POU4F3 antibody

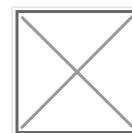
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	POU4F3 antibody detects endogenous levels of total POU4F3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	338
Applicable Applications for anti-POU4F3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Brain. Seems to be specific to the retina.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using POU4F3 antibody.


WB (Western Blot)

Western blot analysis of extracts of various tissue, using POU4F3 antibody.



IF (Immunofluorescence)

AAA324322 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-POU4F3 antibody	Function: Acts as a transcriptional activator (PubMed:18228599). Acts by binding to sequences related to the consensus octamer motif 5'-ATGCAAAT-3' in the regulatory regions of its target genes (PubMed:18228599). Involved in the auditory system development, required for terminal differentiation of hair cells in the inner ear (By similarity). Subunit Structure: Interacts with ISL1. Similarity: Belongs to the POU transcription factor family. Class-4 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505965
NCBI GeneID	5459
NCBI Accession #	NP_002691.1
NCBI GenBank Nucleotide #	NM_002700.2
UniProt Accession #	Q15319; O60557; Q2M3F8
Molecular Weight	Observed: 35 kD Predicted: 38 kDa
NCBI Official Full Name	POU domain, class 4, transcription factor 3
NCBI Official Synonym Full Names	POU class 4 homeobox 3
NCBI Official Symbol	POU4F3
NCBI Official Synonym Symbols	BRN3C; DFNA15; DFNA42; DFNA52
NCBI Protein Information	POU domain, class 4, transcription factor 3
UniProt Protein Name	POU domain, class 4, transcription factor 3
UniProt Gene Name	POU4F3
UniProt Synonym Gene Names	BRN3C; Brain-3C; Brn-3C

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pou4f3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324322>