Mouse anti-Human POU4F3 Monoclonal Antibody | anti-POU4F3 antibody

POU4F3 (POU Domain, Class 4, Transcription Factor 3, Brain-specific Homeobox/POU Domain Protein 3C, Brain-3C, Brn-3C, BRN3C, MGC138412) (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25803	**Mouse**	**Human**	**ELISA, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

POU4F3; Monoclonal Antibody; POU4F3 (POU Domain; Class 4; Transcription Factor 3; Brain-specific Homeobox/POU Domain Protein 3C; Brain-3C; Brn-3C; BRN3C; MGC138412) (PE); anti-POU4F3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	5B8
Specificity	Recognizes human POU4F3.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-POU4F3 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa100-191 from human POU4F3 (NP_002691) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PAALTSHPHHAVHQGLEGDLLEHISPTLSVSGLGAPEHSVMPAQIHPHHLGAMGHLHQAMGMSHPHTVAPHSAMPACLSDVESDPRELEAF
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES

WB (Western Blot)
Western blot analysis of POU4F3 over-expressed 293 cell line, cotransfected with POU4F3 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with POU4F3 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged POU4F3 is ~0.1ng/ml as a capture antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to POU4F3 on HeLa cell. [antibody concentration 10ug/ml]

WB (Western Blot)
Western Blot analysis of POU4F3 expression in transfected 293T cell line by POU4F3 monoclonal antibody. Lane 1: POU4F3 transfected lysate (37.1kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
POU4F3 monoclonal antibody Western Blot analysis of POU4F3 expression in HeLa NE.

WB (Western Blot)
Western Blot detection against Immunogen (35.75kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-POU4F3 antibody	Antibodies; Transcription Factors; Homeobox (HOX)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505965
NCBI GeneID	5459
NCBI Accession #	NP_002691
NCBI GenBank Nucleotide #	NM_002700
UniProt Accession #	Q15319
Molecular Weight	37kDa
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
UniProt Entry Name	PO4F3_HUMAN

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/monoclonal/pou4f3-antibody-clone-5b8-immunofluorescence-western-blot-elisa/25803