

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) (HRP)

CATALOG # AAA25507	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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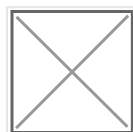
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

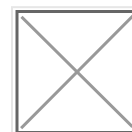
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	5B8
Specificity	Recognizes human POU4F3.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-POU4F3 antibody	ELISA, WB (Western Blot)
Application Notes	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	PAALTSHPHHAVHQGLEGLLEHISPTLSVSGLGAPEHSVMPAQIHPPHGLGAMGHLHQAMGMSHPHTVAPHSAMPACLSDVESDPRELEASE
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



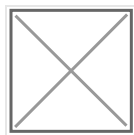
WB (Western Blot)

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.

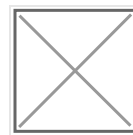


Application Data

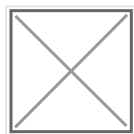
Detection limit for recombinant GST tagged POU4F3 is ~0.1ng/ml as a capture antibody.

**IF (Immunofluorescence)**

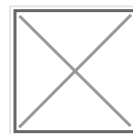
Immunofluorescence of monoclonal antibody to POU4F3 on HeLa cell. [antibody concentration 10ug/ml]

**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

Related Product Information for anti-POU4F3 antibody	May play a role in determining or maintaining the identities of a small subset of visual system neurons.
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-western-blot-elisa/25507>