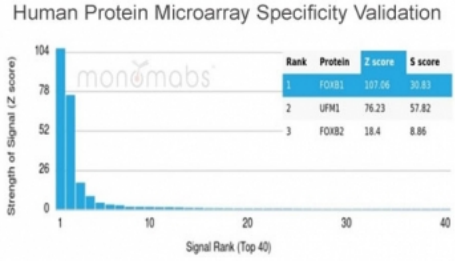
FOXB1 Antibody [clone PCRP-FOXB1-1B7] (V8922)

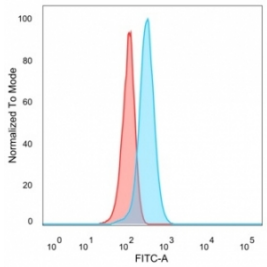
Catalog No.	Formulation	Size
V8922-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8922-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8922SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

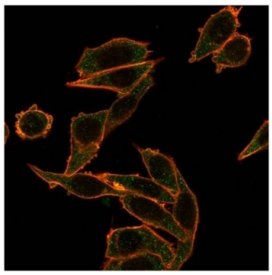
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PCRP-FOXB1-1B7
Purity	Protein A/G affinity
UniProt	Q99853
Localization	Nucleus
Applications	ELISA (order BSA-free format for coating) Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml
Limitations	This FOXB1 antibody is available for research use only.



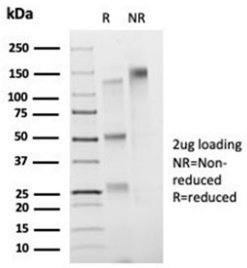
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using FOXB1 antibody (clone PCRP-FOXB1-1B7). These results demonstrate the foremost specificity of the PCRP-FOXB1-1B7 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



FACS staining of PFA-fixed human HeLa cells with FOXB1 antibody (blue, clone PCRP-FOXB1-1B7) and isotype control (red).



Immunofluorescent staining of PFA-fixed human HeLa cells using FOXB1 antibody (green, clone PCRP-FOXB1-1B7) and phalloidin (red).



SDS-PAGE analysis of purified, BSA-free FOXB1 antibody (clone PCRP-FOXB1-1B7) as confirmation of integrity and purity.

Description

The Forkhead-box (FOX) genes comprise a superfamily of at least 43 members that encode proteins which are involved in transcriptional regulation and may be associated with the pathogenesis of various cancers. FOXB1 (forkhead box B1), also known as FKH5 or HFKH-5, and FOXB2 (forkhead box B2) are members of the FOX family and each contain one forkhead DNA-binding domain. Both FOXB1 and FOXB2 localize to the nucleus where they are thought to function as transcription factors that can bind to DNA via their forkhead domains. In mice, defects in the gene encoding FOXB1 are associated with retarded development of the central nervous system (CNS), suggesting that FOXB1 may play a role in CNS organization and function.

Application Notes

Optimal dilution of the FOXB1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human FOXB1 protein was used as the immunogen for the FOXB1 antibody.

Storage

Aliquot the FOXB1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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