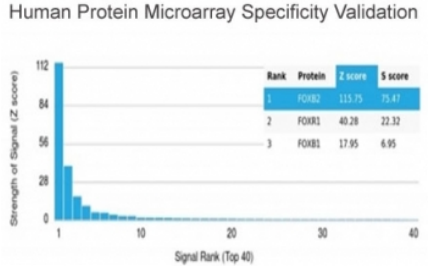
FOXB2 Antibody [clone PCRP-FOXB2-2B2] (V9355)

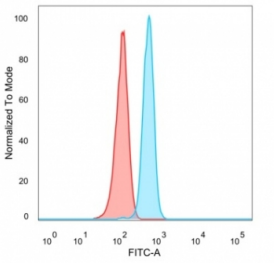
Catalog No.	Formulation	Size
V9355-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9355-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9355SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

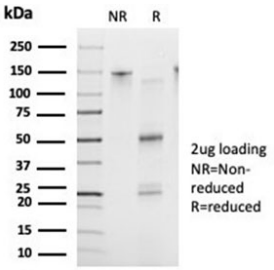
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-FOXB2-2B2
Purity	Protein A/G affinity
UniProt	Q5VYV0
Localization	Nucleus
Applications	ELISA (order BSA-free format for coating) Flow cytometry: 1-2ug/million cells
Limitations	This FOXB2 antibody is available for research use only.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using FOXB2 antibody (clone PCRP-FOXB2-2B2). These results demonstrate the foremost specificity of the PCRP-FOXB2-2B2 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 FOXB2 antibody (blue, clone PCRP-FOXB2-2B2) and isotype control (red).



SDS-PAGE analysis of purified, BSA-free FOXB2 antibody (clone PCRP-FOXB2-2B2) 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 FOXB2 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-200 was used as the immunogen for the FOXB2 antibody.

Storage

Aliquot the FOXB2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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