

Datasheet for ABIN7126716  
**anti-FOXB2 antibody (AA 1-200)**



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## Overview

Quantity:	100 µg
Target:	FOXB2
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FOXB2 antibody is un-conjugated
Application:	ELISA, Immunoprecipitation (IP), Coating (Coat), Flow Cytometry (FACS)

## Product Details

Immunogen:	Recombinant fragment (around aa1-200) of human FOXB2 protein (exact sequence is proprietary)
Isotype:	IgG2a
Specificity:	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.

## Product Details

Cross-Reactivity (Details): Human. Predicted to react in Mouse and Rat.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

Target: FOXB2

Alternative Name: FOXB2 ([FOXB2 Products](#))

Background: BA159H20.4, Forkhead box B2, Forkhead box protein B2, FOXB 2, Foxb2,FOXB2 (Transcription Factor)

Cellular localisation: Nucleus.

Molecular Weight: 45.58kDa

Gene ID: 442425, 553843

UniProt: [Q5VYV0](#)

## Application Details

Application Notes: Known\_Application: ELISA (For coating, order antibody without BSA), Immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 mL of cell lysate)), Flow Cytometry (1-2 µg/million cells), Optimal dilution for a specific application should be determined.  
Positive\_Control: HeLa or HepG2 cells.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months