

CHD4 Antibody

Mouse Monoclonal Antibody [Clone 3F2/4]

Catalog No	Format	Size
1108-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1108-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1108-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

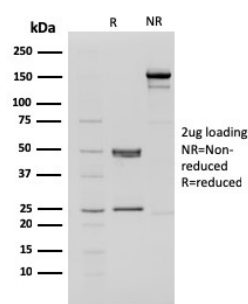
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

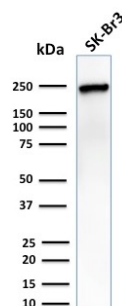
Clone	3F2/4
Gene Name	CHD4
Immunogen	Synthetic peptide (N- and C- terminal peptides were used for immunisation: 1. ASGLGSPSPCSAGSEEDM & 2. CSRLANRAPEPPPQVAQQQ) - which peptide the antibody recognises has not been tested.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	238kDa
Cellular Localization	Centrosome, Cytoplasm, Cytoskeleton, Microtubule organizing center, Nucleus
Species Reactivity	Human, Mouse
Positive Control	HeLa whole cell lysate or human placenta tissue lysate. Human breast carcinoma.

*Optimal dilution for a specific application should be determined.

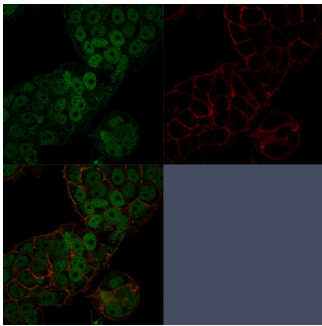
Product Images for CHD4 Antibody



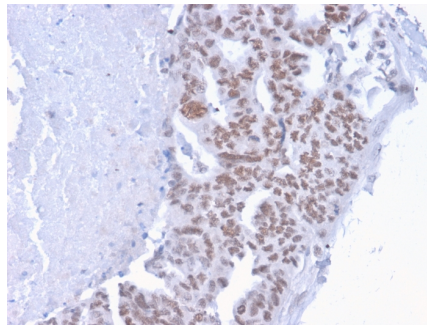
SDS-PAGE Analysis of Purified CHD4 Mouse Monoclonal Antibody (3F2/4). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of SK-Br3 cell lysate using CHD4 Mouse Monoclonal Antibody (3F2/4).



Confocal immunofluorescence image of MCF-7 cells using CHD4 Mouse Monoclonal Antibody (3F2/4) stained in Green (CF488) and Phalloidin is used to label the membranes.



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with CHD4 Mouse Monoclonal Antibody (3F2/4).

Specificity & Comments

CHD4/Mi-2b is a component of the nucleosome remodeling and deacetylase (NuRD) complex which is a multi-subunit protein complex containing both histone deacetylase and nucleosome-dependent ATPase subunits. Current models predict that this complex function primarily in transcriptional repression. Accumulating evidence indicates that NuRD may regulate the transcription of specific genes by interacting with specific transcriptional factors. In addition, the NuRD complex may also participate in genome-wide transcriptional regulation through an association with histone tails.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Infectious Disease, Nuclear Marker, Signal Transduction, Transcription Factors
