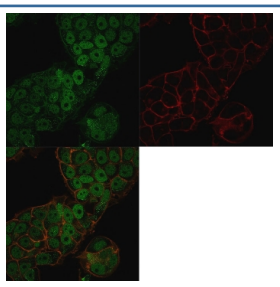
CHD4 Antibody / Chromodomain helicase DNA binding protein 4 [clone 3F2/4] (V7676)

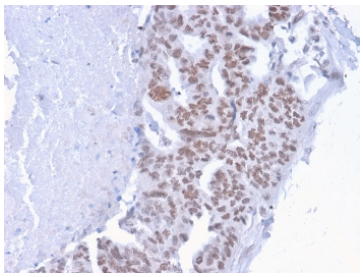
Catalog No.	Formulation	Size
V7676-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7676-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7676SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

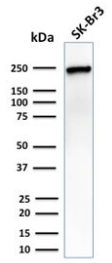
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	3F2/4
Purity	Protein G affinity chromatography
UniProt	Q14839
Localization	Cytoplasmic, nuclear
Applications	ELISA (order BSA-free Format For Coating) : Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This CHD4 antibody is available for research use only.



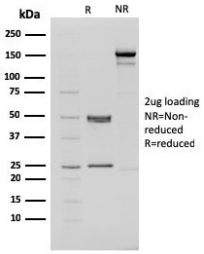
Immunofluorescent staining of permeabilized human MCF7 cells with CHD4 antibody (clone 3F2/4, green) and Phalloidin (red).



IHC staining of FFPE human breast carcinoma with CHD4 antibody (clone 3F2/4). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Western blot testing of human SK-BR-3 cells with CHD4 antibody. Predicted molecular weight ~260 kDa.



SDS-PAGE analysis of purified, BSA-free CHD4 antibody (clone 3F2/4) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the CHD4 antibody should be determined by the researcher.

Immunogen

Amino acids ASGLGSPSPCSAGSEEEDM and CSRLANRAPEPPPQQVAQQQ were used as the immunogen for the CHD4 antibody.

Storage

Store the CHD4 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).