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## anti-CHD4 antibody (C-Term)





| Overview             |  |  |
|----------------------|--|--|
| Quantity:            | 100 μg   |  |
| Target:              | CHD4   |  |
| Binding Specificity: | C-Term   |  |
| Reactivity:          | Synthetic  |  |
| Host:                | Mouse  |  |
| Clonality:           | Monoclonal   |  |
| Conjugate:           | This CHD4 antibody is un-conjugated  |  |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))   |  |
| Product Details      |  |  |
| Immunogen:           | Synthetic peptide (N- and C- terminal peptides were used for immunisation: 1.  ASGLGSPSPCSAGSEEEDM & 2. CSRLANRAPEPPPQQVAQQQ) - which peptide the antibody recognises has not been tested.   |  |
| Clone:               | 3F2-4  |  |
| Isotype:             | lgG2a  |  |
| Specificity:         | 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,

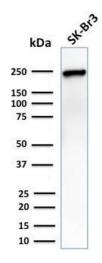
#### **Product Details**

| 1 Toduct Details            |   |  |
|-----------------------------|---|--|
|                             | the NuRD complex may also participate in genome-wide transcriptional regulation through an        |  |
|                             | association with histone tails.   |  |
| Cross-Reactivity (Details): | Human, Mouse,   |  |
| Purification:               | 200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G.                               |  |
| Target Details              |   |  |
| Target:                     | CHD4  |  |
| Alternative Name:           | CHD4 (CHD4 Products)  |  |
| Background:                 | ATP dependent helicase CHD4, Chromodomain helicase DNA binding protein 4, Mi 2                    |  |
|                             | autoantigen 218 kDa protein, Mi 2b, Mi2 beta,CHD4   |  |
|                             | Cellular localisation: Nucleus and cytoplasm.   |  |
| Molecular Weight:           | 238kDa  |  |
| Gene ID:                    | 1108, 162233  |  |
| UniProt:                    | Q14839  |  |
| Application Details         |   |  |
| Application Notes:          | Positive Control: HeLa whole cell lysate or human placenta tissue lysate. Human breast            |  |
|                             | carcinoma.  |  |
|                             | Known Application: ELISA (For coating, order antibody without BSA), Western Blot (1-2 $\upmu$     |  |
|                             | g/mL)Flow Cytometry (1-2 μg/million cells), Immunofluorescence (1-2 μg/mL),                       |  |
|                             | Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-      |  |
|                             | fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 mir   |  |
|                             | at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application |  |
|                             | should be determined.   |  |
| Restrictions:               | For Research Use only   |  |
| Handling                    |   |  |
| Concentration:              | 200 μg/mL   |  |
| Buffer:                     | Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.   |  |
| Preservative:               | Sodium azide  |  |
| Precaution of Use:          | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which                     |  |

### Handling

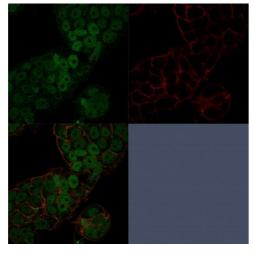
|                  | should be handled by trained staff only.   |  |
|------------------|--|--|
| Storage:         | 4 °C,-80 °C  |  |
| Storage Comment: | Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml. |  |
| Expiry Date:     | 24 months  |  |

#### **Images**



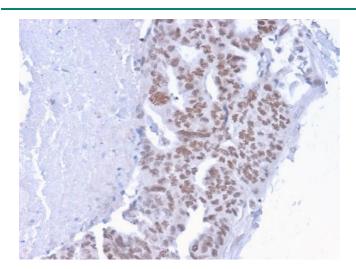
### **Western Blotting**

**Image 1.** Western Blot Analysis of SK-Br3 cell lysate using CHD4 Mouse Monoclonal Antibody (3F2/4).



#### **Immunofluorescence**

**Image 2.** 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.



#### **Immunohistochemistry**

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

Please check the product details page for more images. Overall 4 images are available for ABIN6939119.