



Rabbit Anti-Human BRD4 monoclonal antibody, clone 25I5M5 (CABT-L1213)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	BRD4
Immunogen	Protein corresponding to human BRD4 (aa154-aa284)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	25I5M5
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ChIP, ICC, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction

BRD4, a ubiquitously expressed nuclear phosphoprotein, is a member of BET protein family. It is a human homolog of mouse MCAP and consists of 2 N-terminal bromodomains, a central ET-domain, and several kinase-like motifs in its N-terminus. It is expressed as 2 isoforms; the longer variant has a C-terminus region with a praline and glutamine-rich domains. BRD4 is a chromatin-binding protein whose expression is induced in response to growth stimuli. BRD4 acts at different stages of the cell cycle by interacting with proteins including RFC and SPA-1 and regulates cell growth. It also has a role in regulating chromosomal dynamics during mitosis. BRD4 functions as a cellular target for E2 protein of papillomavirus.

Keywords

BRD4;bromodomain containing 4;CAP;MCAP;HUNK1;HUNKI;bromodomain-containing protein 4;bromodomain-containing 4;chromosome-associated protein

GENE INFORMATION

Entrez Gene ID

[23476](#)

UniProt ID

[O60885](#)