

## Product datasheet for **TA343731**

### BRD4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB, IF, ChIP
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-BRD4 antibody: synthetic peptide directed towards the C terminal of human BRD4. Synthetic peptide located within the following region: EIEIDFETLKPSTLRELERYVTSLRKKRKPQAEKVDVIAGSSKMKGFSS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	80 kDa
Gene Name:	bromodomain containing 4
Database Link:	<a href="#">NP_055114</a> <a href="#">Entrez Gene 23476 Human</a> <a href="#">O60885</a>



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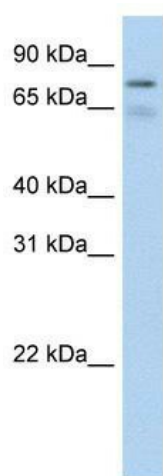
**Background:** BRD4 is homologous to the murine protein MCAP, which associates with chromosomes during mitosis, and to the human RING3 protein, a serine/threonine kinase. Each of these proteins contains two bromodomains, a conserved sequence motif which may be involved in chromatin targeting. The protein encoded by this gene is homologous to the murine protein MCAP, which associates with chromosomes during mitosis, and to the human RING3 protein, a serine/threonine kinase. Each of these proteins contains two bromodomains, a conserved sequence motif which may be involved in chromatin targeting. This gene has been implicated as the chromosome 19 target of translocation t(15;19)(q13;p13.1), which defines an upper respiratory tract carcinoma in young people. Two alternatively spliced transcript variants have been described.

**Synonyms:** CAP; HUNK1; HUNKI; MCAP

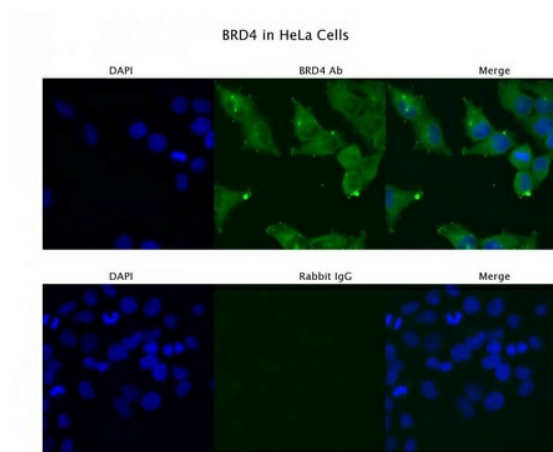
**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%

**Protein Families:** Protein Kinase

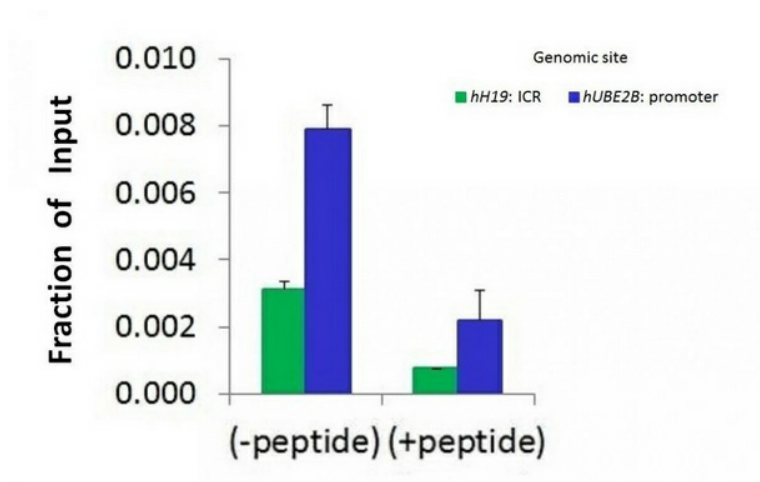
### Product images:



WB Suggested Anti-BRD4 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Thymus



Sample Type: HeLa; Primary Antibody Dilution: 4 ug/ml; Secondary Antibody: Anti-rabbit Alexa 546; Secondary Antibody Dilution: 2 ug/ml; Gene Name: BRD4



Chromatin Immunoprecipitation (ChIP) Using BRD4 antibody - C-terminal region and HCT116 Cells