

## Rabbit anti-Human, Rat BRD4 Polyclonal Antibody | anti-BRD4 antibody

[KO Validated] BRD4 Rabbit pAb

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS |
|-----------|--------|------------|--------------|
| AAA282005 | Rabbit | Human, Rat | Western Blot |

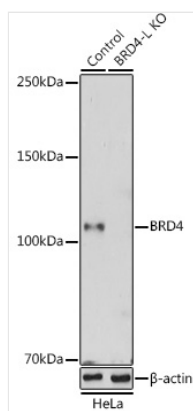
### PRODUCT SYNONYMS

BRD4; Polyclonal Antibody; [KO Validated] BRD4 Rabbit pAb; CAP; HUNK1; HUNKI; MCAP; anti-BRD4 antibody

### PRODUCT SPECIFICATIONS

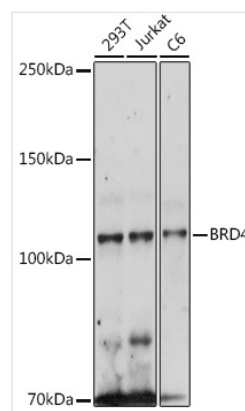
|                                                |                                                                                                         |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                  |
| Reactivity                                     | Human, Rat                                                                                              |
| Clonality                                      | Polyclonal                                                                                              |
| Isotype                                        | IgG                                                                                                     |
| Purity/Purification                            | Affinity purification                                                                                   |
| Form/Format                                    | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                       |
| Applicable Applications for anti-BRD4 antibody | WB (Western Blot)                                                                                       |
| Immunogen                                      | A synthetic peptide corresponding to a sequence within amino acids 700-800 of human BRD4 (NP_490597.1). |
| Cellular Location                              | Chromosome, Nucleus                                                                                     |
| Positive Samples                               | HeLa, 293T, Jurkat, C6                                                                                  |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                                        |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from normal (control) and BRD4 knockout (KO) HeLa cells, using BRD4 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 300s.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using BRD4 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 300s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BRD4 antibody | Background: 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. |
| Product Categories/Family for anti-BRD4 antibody   | Signal Transduction; Kinase; Serine/threonine kinases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------|
| NCBI GI #                        | 7657218                                                                                   |
| NCBI GeneID                      | 23476                                                                                     |
| NCBI Accession #                 | NP_055114.1                                                                               |
| NCBI GenBank Nucleotide #        | NM_014299.2                                                                               |
| UniProt Accession #              | O60885; O60433; Q4G0X8; Q86YS8; Q96PD3                                                    |
| Molecular Weight                 | 152kDa                                                                                    |
| NCBI Official Full Name          | bromodomain-containing protein 4 isoform short                                            |
| NCBI Official Synonym Full Names | bromodomain containing 4                                                                  |
| NCBI Official Symbol             | BRD4                                                                                      |
| NCBI Official Synonym Symbols    | CAP; MCAP; HUNK1; HUNKI                                                                   |
| NCBI Protein Information         | bromodomain-containing protein 4; bromodomain-containing 4; chromosome-associated protein |
| UniProt Protein Name             | Bromodomain-containing protein 4                                                          |
| UniProt Gene Name                | BRD4                                                                                      |
| UniProt Synonym Gene Names       | HUNK1                                                                                     |
| UniProt Entry Name               | BRD4_HUMAN                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/brd4-antibody-western-blot-elisa/282005>