

11-7501: Polyclonal Antibody to BRD4, HUNK1

| | |
|--------------------------------|--|
| Clonality : | Polyclonal |
| Application : | WB |
| Reactivity : | Human |
| Gene : | BRD4 |
| Gene ID : | 23476 |
| Uniprot ID : | O60885 |
| Format : | Purified |
| Alternative Name : | BRD4,HUNK1 |
| Isotype : | Rabbit IgG |
| Immunogen Information : | A partial length recombinant BRD4 protein (amino acids 140-500) was used as the immunogen for this antibody. |

Description

BRD4 is a member of the BET (bromo domain and extra terminal domain) family, along with BRD2, BRD3 and BRDT. BRD4 is required to form the transcriptionally active P-TEFb complex by displacing negative regulators such as HEXIM1 and 7SKsnRNA complex from P-TEFb, thereby transforming it into an active form that can then phosphorylate the C-terminal domain (CTD) of RNA polymerase II. A chromosomal aberration involving BRD4 is found in a rare, aggressive and lethal carcinoma arising in midline organs of young people. It expressed ubiquitously and has three isoforms. Isoform B acts as a chromatin insulator in the DNA damage response pathway.

Product Info

| | |
|----------------------------|---|
| Amount : | 25 µg / 100 µg |
| Purification : | Protein A Chromatography |
| Content : | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Western blot analysis: 2-4 µg/ml

This antibody detects ~80 kDa band. The size corresponds to Isoform 2 (Uniprot ID-O60885-2) of BRD4, HUNK1, the right size is ~152 kDa

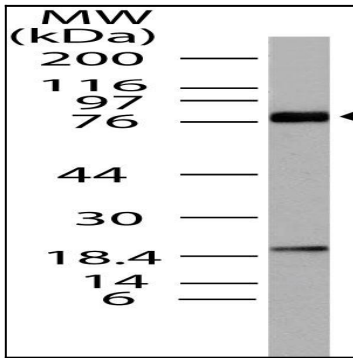


Fig-1: Western blot analysis of BRD4, HUNK1. Anti- BRD4, HUNK1 antibody (11-7501) was used at 2 $\mu\text{g/ml}$ on SKM lysate.