

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

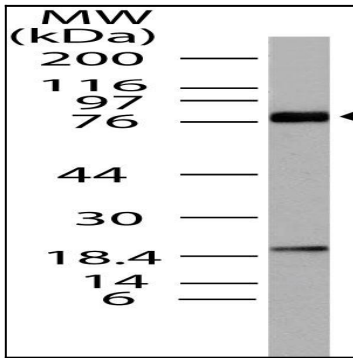


Fig-1: Western blot analysis of BRD4, HUNK1. Anti- BRD4, HUNK1 antibody (11-7501) was used at 2 $\mu\text{g/ml}$ on SKM lysate.