

## 11-7550: Polyclonal Antibody to INI-1/SNF5

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	SMARCB1
<b>Gene ID :</b>	6598
<b>Uniprot ID :</b>	Q12824
<b>Format :</b>	Purified
<b>Alternative Name :</b>	SMARCB1,BAF47,INI1,SNF5L1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A partial length recombinant INI-1/SNF5 protein (amino acids 11-231) was used as the immunogen for this antibody.

### Description

SNF5/INI1 is the core subunit of the SWI/SNF chromatin remodeling complex that contributes to the regulation of chromatin structure. It is a tumor suppressor in humans and mice, with an essential role in early embryonic development. SNF5 interacts with UV damage recognition factor XPC and colocalizes at the damage site upon UV irradiation. Inactivation of SNF5 affects the recruitment of ATM checkpoint kinase to the damage site and ATM activation by phosphorylation. SNF5 deficiency results in a defect in H2AX and BRCA1 phosphorylation at the damage site. SNF5/INI1 forms a functional complex with p300/GATA4 on hypertrophic response gene promoters in cardiomyocytes. It plays an inhibitory role in cardiomyocyte hypertrophy by suppressing p300/GATA4-dependent transcription. SNF5 genetic mutations were first reported in malignant rhabdoid tumors.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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: 1-2 Åµg/ml

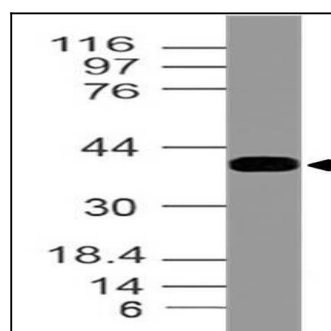


Fig-1: Expression analysis of INI-1/SNF5. Anti-INI-1/SNF5 antibody (11-7550) was used at 1 µg/ml on MCF-7 lysate.