

## Product datasheet for **TA420190**

### SMARCA4 Rat Monoclonal Antibody [Clone ID: 5B7]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	5B7
<b>Applications:</b>	IF, WB
<b>Reactivity:</b>	Monkey, Mouse
<b>Host:</b>	Rat
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	A recombinant protein corresponding to amino acids 213-295 of human SMARCA4
<b>Specificity:</b>	SMARCA4
<b>Formulation:</b>	Phosphate buffered saline containing 0.035% Sodium Azide (NaN <sub>3</sub> )30% Glycerol <b>Label:</b> Purified <b>State:</b> Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant Purified IgG - liquid
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	+4°C, -20°C if preferred
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
<b>Database Link:</b>	<a href="#">P51532</a>



**Background:**

Rat anti Human SMARCA4 antibody, clone 5B7 recognizes special AT-rich sequence-binding protein 2, also known as transcription activator BRG1. SMARCA4 is a member of the SWI/SNF family of proteins. SWI/SNF proteins display ATPase and helicase activities and regulate gene transcription via chromatin remodelling. SMARCA4 is important for spermatogenesis and embryo development (Kim et al. 2012) (Zhang et al. 2011). SMARCA4 is also the most frequently mutated chromatin remodeling ATPase in cancer. Mutations in the SMARCA4 have been observed in many tumor subtypes including pancreatic cancers and some types of leukemia (Jones et al. 2012) (Shain et al. 2012) (Hodges et al. 2018) (Romero et al. 2012). Rat anti Human SMARCA4 antibody detects a band of 180 kDa.

**Synonyms:**

BAF190; BRG1; FLJ39786; hSNF2b; SNF2; SNF2-BETA; SNF2B; SNF2L4; SNF2LB; SWI2