



# Rabbit Anti-SMARCA4 monoclonal antibody, clone TO31-14 (CABT-L762)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	BRG1
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	TO31-14
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC, IP
<b>Molecular Weight</b>	185 kDa
<b>Cellular Localization</b>	Nucleus.
<b>Positive Control</b>	Jurkat, SW480, Hela, HepG2, RH-35, human breast carcinoma tissue, mouse testis tissue, human tonsil tissue, mouse colon tissue, human kidney tissue, mouse kidney tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## BACKGROUND

<b>Introduction</b>	The SWI-SNF complex is involved in the activation of transcription via the remodeling of nucleosome structure in an ATP-dependent manner. Brm (also designated SNF2 $\alpha$ ) and Brg-1 (also designated SNF2 $\beta$ ) are the ATPase subunits of the mammalian SWI-SNF complex. Brm, Brg-1, Ini1 (integrase interactor 1, also designated SNF5), BAF155 (also designated SRG3) and BAF170 are thought to comprise the functional core of the SWI-SNF complex. Addition of Ini1, BAF155 and BAF170 to Brg-1 appears to increase remodeling activity. Other complex subunits are thought to play regulatory roles. hSNF2L and hSNF2H both appear to be homologs of Drosophila ISWI, a Brm related ATPase that is present in chromatin remodeling complexes other than SWI/SNF, including the NURF (nucleosome remodeling factor).
<b>Keywords</b>	ATP dependent helicase SMARCA4;ATP-dependent helicase SMARCA4;BAF190;BAF190;BAF190A;Brahma protein like 1;BRG1;BRG1 associated factor 190A;BRG1 protein;BRG1-associated factor 190A;BRM/SWI2 related gene 1;Global transcription activator homologous sequence;global transcription activator snf2l4;Homeotic gene regulator;hSNF2b;Mitotic growth and transcription activator;MRD16;Nuclear protein GRB1;Protein brahma homolog 1;Protein BRG-1;Protein BRG1;RTPS2;SMARC A4;SMARCA4;SMCA4_HUMAN;SNF2;SNF2 beta;SNF2 like 4;SNF2-beta;SNF2B;SNF2L4;SNF2LB;Sucrose nonfermenting like 4;SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily A member 4;SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4;SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 4;SWI2;Transcription activator BRG1 antibody