

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Brg1 in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Brg1 Gln673-Asn774 Accession # P51532
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide

\*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<b>Knockout Validated</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Western Blot</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Immunocytochemistry</b>	Optimal dilution of this antibody should be experimentally determined.

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

**BACKGROUND**

Brg1 (Brm/Swi2-related gene 1), also known as SMARCA4 (Swi/SNF-related matrix-associated actin-dependent regulator of chromatin, subfamily A, member 4), SNF2L4 and SNF2β, is a 205 kDa member of the SNF2 helicase family of molecules. It is a ubiquitously expressed, nuclear-localized chromatin remodeling ATPase that, depending upon its associated complex, may both facilitate and inhibit gene transcription. Human SMARCA4 is 1647 amino acids (aa) in length, and contains an HSA domain (aa 460-532), one BRK region (aa 610-654), six potential phosphoserine sites between aa 610-662, a DEXDc domain that unwinds RNA and DNA (aa 774-913), one Bromo domain (aa 1477-1547) and eight potential phosphoserine sites between aa 1570-1644.

**PRODUCT SPECIFIC NOTICES**

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