

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Brg1 in direct ELISAs and Western blots.
Source	Monoclonal Rabbit IgG Clone # 2135A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Brg1 Gln673-Asn774 Accession # P51532
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	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.

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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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