

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SMARCA5/SNF2H in direct ELISAs. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) SMARCA1 and rhSMARCA4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SMARCA5/SNF2H Asp77-Val185 Accession # O60264
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.

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

SMARCA5 (Swi/SNF-related matrix-associated actin-dependent regulator of chromatin, subfamily A, member 5; also SNF2H) is a 130-135 kDa member of the SNF2/RAD54 helicase family of molecules. It is a ubiquitously expressed, chromatin remodeling ATPase that increases the accessibility of nucleosomal DNA to DNA-binding proteins. It apparently does so by sliding histone octamers over DNA. SMARCA5 is a component of four chromatin-remodeling complexes, including CHRAC, RSF, ACF and WICH. Human SMARCA5 is 1052 amino acids (aa) in length. It contains an N-terminal helicase domain (aa 192-357), a helicase superfamily C-terminal domain (aa 474-605), and two SANT DNA-binding domains (aa 840-892 and 943-1007). Over aa 77-185, human SMARCA5 shares 99% aa identity with mouse SMARCA5.

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