

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 SAMRCA5/SNF2H Asp77-Val185 Accession # O60264
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

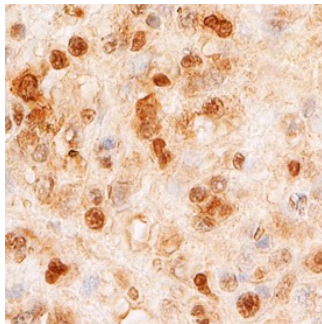
APPLICATIONS

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.

	Recommended Concentration	Sample
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



SMARCA5/SNF2H in Human Spleen.
SMARCA5/SNF2H was detected in immersion fixed paraffin-embedded sections of human spleen using Goat Anti-Human SMARCA5/SNF2H Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6825) at 10 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to nuclei in splenocytes. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.