

Rabbit anti-Human, Mouse BAF170 Polyclonal Antibody | anti-BAF170 antibody

BAF170 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294312	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

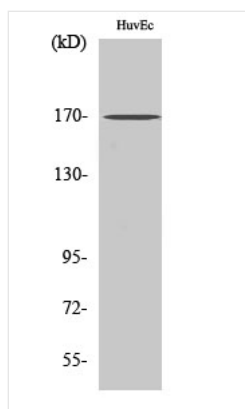
PRODUCT SYNONYMS

BAF170; Polyclonal Antibody; BAF170 Polyclonal Antibody; SMARCC2; SWI/SNF complex subunit SMARCC2; BRG1-associated factor 170; SWI/SNF complex 170 kDa subunit; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily C member 2; anti-BAF170 antibody

PRODUCT SPECIFICATIONS

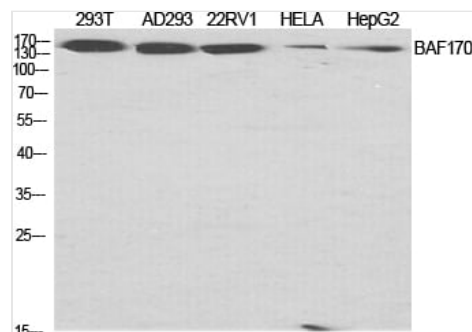
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Applicable Applications for anti-BAF170 antibody	IF (Immunofluorescence), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.



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ADDITIONAL INFORMATION

Related Product Information for anti-BAF170 antibody

Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Component of SWI/SNF chromatin remodeling complexes that carry out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner (PubMed:11018012). Can stimulate the ATPase activity of the catalytic subunit of these complexes (PubMed:10078207). May be required for CoREST dependent repression of neuronal specific gene promoters in non-neuronal cells (PubMed:12192000). Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a postmitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to postmitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth (By similarity). Critical regulator of myeloid differentiation, controlling granulocytopenia and the expression of genes involved in neutrophil granule formation (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	194363725
NCBI GeneID	6601
NCBI Accession #	NP_001123892.1
NCBI GenBank Nucleotide #	NM_001130420.1
UniProt Accession #	Q8TAQ2; Q59GV3; Q92923; Q96E12; Q96GY4; F8VTJ5
Molecular Weight	133kDa
NCBI Official Full Name	SWI/SNF complex subunit SMARCC2 isoform c
NCBI Official Synonym Full Names	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2
NCBI Official Symbol	SMARCC2
NCBI Official Synonym Symbols	Rsc8; BAF170; CRACC2
NCBI Protein Information	SWI/SNF complex subunit SMARCC2; SWI3-like protein; BRG1-associated factor 170; SWI/SNF complex 170 kDa subunit; chromatin remodeling complex BAF170 subunit; mammalian chromatin remodeling complex BRG1-associated factor 170; SWI/SNF-related matrix-associated
UniProt Protein Name	SWI/SNF complex subunit SMARCC2
UniProt Gene Name	SMARCC2
UniProt Synonym Gene Names	BAF170; BAF170
UniProt Entry Name	SMRC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/baf170-antibody-immunofluorescence-western-blot-elisa/294312>