

## Product datasheet for **TA335790**

### SMARCE1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-SMARCE1 Antibody: synthetic peptide directed towards the N terminal of human SMARCE1. Synthetic peptide located within the following region: MSKRPSYAPPPTPAPATQMPSTPGFVGYNPYSHLAYNNYRLGGNPGTNSR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47 kDa
Gene Name:	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1
Database Link:	<a href="#">NP_003070</a> <a href="#">Entrez Gene 57376 Mouse</a> <a href="#">Entrez Gene 303518 Rat</a> <a href="#">Entrez Gene 6605 Human</a> <a href="#">Q969G3</a>



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**Background:**

SMARCE1 is part of the large ATP-dependent chromatin remodeling complex SWI/SNF, which is required for transcriptional activation of genes normally repressed by chromatin. The protein, either alone or when in the SWI/SNF complex, can bind to 4-way junction DNA, which is thought to mimic the topology of DNA as it enters or exits the nucleosome. The protein contains a DNA-binding HMG domain, but disruption of this domain does not abolish the DNA-binding or nucleosome-displacement activities of the SWI/SNF complex. Unlike most of the SWI/SNF complex proteins, this protein has no yeast counterpart. The protein encoded by this gene is part of the large ATP-dependent chromatin remodeling complex SWI/SNF, which is required for transcriptional activation of genes normally repressed by chromatin. The encoded protein, either alone or when in the SWI/SNF complex, can bind to 4-way junction DNA, which is thought to mimic the topology of DNA as it enters or exits the nucleosome. The protein contains a DNA-binding HMG domain, but disruption of this domain does not abolish the DNA-binding or nucleosome-displacement activities of the SWI/SNF complex. Unlike most of the SWI/SNF complex proteins, this protein has no yeast counterpart.

**Synonyms:**

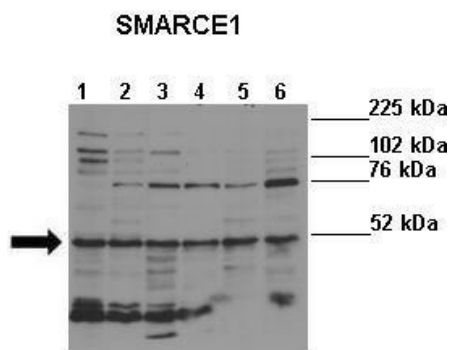
BAF57; CSS5

**Note:**

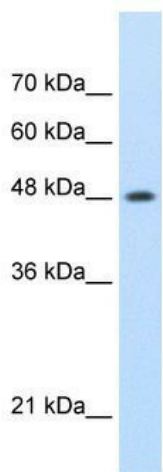
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%

**Protein Families:**

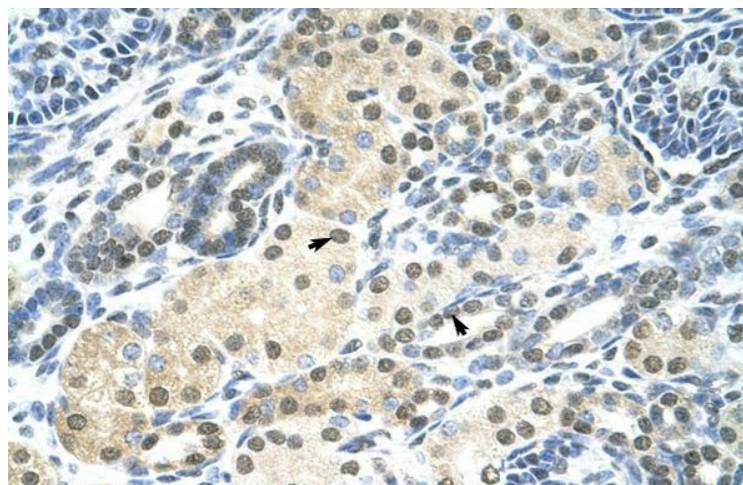
Transcription Factors

**Product images:**


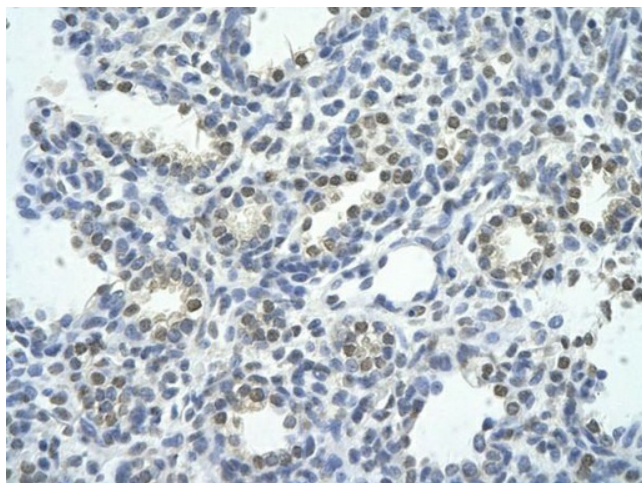
Lanes: Lane 1: HeLa (human) Lane 2: NHEM (human) Lane 3: Melba (mouse) Lane 4: NIH3T3 (mouse) Lane 5: S16 (rat) Lane 6: H9C2 (rat); Primary Antibody Dilution: 1: 500; Secondary Antibody: Donkey anti-rabbit-HRP; Secondary Antibody Dilution: 1: 5000; Gene Name: SMARCE1; Submitted by: Ivana de la Serna, University of Toledo



WB Suggested Anti-SMARCE1 Antibody Titration: 0.2-1 ug/ml; Positive Control: Jurkat cell lysate. SMARCE1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Human kidney



Rabbit Anti-SMARCE1 antibody; Paraffin Embedded Tissue: Human Lung; cell Cellular Data: alveolar cell; Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X