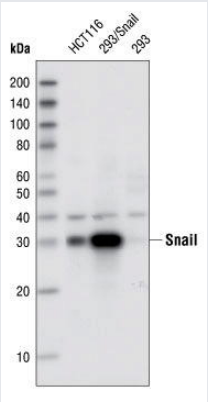
Snail (sna) Antibody – Rat Monoclonal

PRODUCT OVERVIEW

Product Name	Snail, Monoclonal Antibody
Full Product Name	Snail
Product Gene Name	anti-sna antibody
Product Synonym Names	Anti -Snail
Clonality	Monoclonal
Clone Number	7H63
Host	Rat
Species Reactivity	Human
Form/Format	Supplied as a liquid in 10mM HEPES, pH 7.5, 150mM sodium chloride, 100ug/ml BSA, 50% glycerol and less than 0.02% sodium azide.
Purity/Purification	Ascites Ascites.
Specificity	Detects the endogenous levels of total Snail.
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage, store at -20 degree C. Aliquots are stable for at least 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	42,955 Da
Chromosome Location	Chromosome: 2L; NT_033779.4 (15476593..15478269, complement). Location: 35D2-35D2; 2-51 cM
3D Structure	ModBase 3D Structure for P08044
Immunogen	Recombinant human Snail protein.
Product Categories/Family for anti-sna antibody	Antibodies; Abs to Transcription Factors
Applications Tested/Suitable for anti-sna antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-sna antibody	Suitable for use in ELISA and Western Blot,. Dilution: Western blot 1:1000
Related Product Information for anti-sna antibody	Snail is a zinc-finger transcription factor that can repress E-cadherin transcription. Down regulation of E-cadherin is associated with epithelial-mesenchymal transition during embryonic development, a process also exploited by invasive cancer cells (1-3). Indeed, loss of E-cadherin expression is correlated with the invasive properties of some tumors and there is a considerable inverse correlation between Snail and E-cadherin mRNA levels in epithelial tumor cell lines (4,5). In addition, Snail blocks the cell cycle and confers resistance to cell death (6). Phosphorylation of Snail by GSK3 and PAK1 regulates its stability, cellular localization and function (7-10).
Other Notes	Small volumes of anti-sna antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for sna purchase	MBS602257 is an antibody targeting sna. Also known as Snail. Reactive in Human. Host: Rat.



Western Blot (WB) of anti-sna antibody
Western blot analysis of total cell lysates from HCT116, 293 cells, and 293 cells transiently transfected with a SNAIL expressing construct, using MBS602257.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for sna. It may not necessarily be applicable to this product.

NCBI GI #	17136490
NCBI GeneID	34908
NCBI Accession #	NP_476732.1
UniProt Primary Accession #	P08044
UniProt Secondary Accession #	Q9V3D3
UniProt Related Accession #	P08044
GenBank Nucleotide #	NM_057384.3
NCBI Official Full Name	snail
NCBI Official Synonym Full Names	snail
NCBI Official Symbol	sna
NCBI Official Synonym Symbols	BG:DS01845.1; br28; CG3956; DmelCG3956; l(2)35Db; l(2)br28; l(3)br28; l35Db; sn; SNA
UniProt Protein Name	Protein snail
Protein Family	Protein snail
UniProt Gene Name	sna
UniProt Entry Name	SNAI_DROME
NCBI Protein Information	CG3956 gene product from transcript CG3956-RA; snail; CG3956-PA; sna-PA
UniProt Comments for sna	Function: Essential for the correct specification of ventral-dorsal patterns. Subcellular location: Nucleus. Sequence similarities: Belongs to the snail C2H2-type zinc-finger protein family.Contains 5 C2H2-type zinc fingers.
Research Articles on sna	**1.** results show that Sna has a positive regulatory function on sim expression in the presumptive mesectoderm; this positive effect of Sna depends on the Su(H)-binding sites within the sim promoter, suggesting that Sna regulates Notch signaling

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/snail/602257