Product Datasheet

SESN1 Antibody Blocking Peptide
NBP1-44993PEP

Unit Size: 0.25 mg

Store at -20C. Avoid freeze-thaw cycles.

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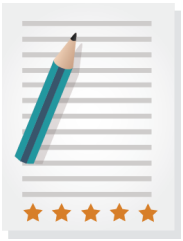


NBP1-44993PEP

SESN1 Antibody Blocking Peptide

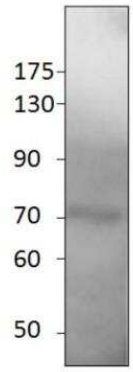
Product Information	
Unit Size	0.25 mg
Concentration	2.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Purity	>85%, by HPLC
Buffer	Sodium Bicarbonate buffer, pH 8.00 containing up to 10% DMSO

Product Description	
Description	Synthetic peptide taken within amino acid region 1-50 on human SESN1 protein. Accession #: Q9Y6P5 **Source:** *Synthetic*
Gene ID	27244
Gene Symbol	SESN1
Species	Human

Product Application Details	
Applications	Antibody Competition
Recommended Dilutions	Antibody Competition
Application Notes	This peptide is useful as a blocking peptide for NBP1-44993. For further blocking peptide related protocol, click here.

Images

Western Blot: SESN1 Blocking Peptide [NBP1-44993PEP] - Western Blot of SESN1 Blocking Peptide with SESN1 Antibody in DiluObuffer.



Procedures

Antibody Competition protocol for SESN1 Protein (NBP1-44993PEP)
Antibody Competition Protocol for SESN1 Protein (NBP1-44993PEP):
In this assay the antigen binding sites (Fab) of a particular antibody is allowed to bind to homologous antigenic peptide in several hundred molar excess ratio of immunoglobulin to peptide. Since the antigenic peptide has higher affinity for Fab site than the full length native proteins, the antigen binding site is blocked thus antibodies are unable to bind to the specific sites on either native, partial denatured or completely denature antigen on sections, in solution or on membrane blots.

Before starting, standardize the conditions for Western blot, immunoprecipitation or immunohistochemistry using the relevant antibody. Conditions include: volume of antibody used; dilution factor, final volume, incubation time, washing conditions etc.Once conditions have been standardized, repeat the same protocol in duplicate using blocked and unblocked antibody.

Begin the competition assay by preparing the blocked antibody-peptide solution:

1. Take the same volume of antibody as previously standardized. Let us assume 10 uL in 15 mL.
2. Add approximately 1:200 moles of excess peptide (peptides are generally 2200 dalton). This will be equivalent of approximately 60-70ul of peptide solution (original peptide concentration is 2.5mg/ml).
3. Mix 10 uL of antibody with 60-70 uL of peptide and make up the volume to 200 uL using DiluOBuffer.

Compare the above blocked antibody-peptide solution with control antibody:

1. Take same amount of antibody as used in the blocked antibody-peptide solution and add 60-70 ul of PBS and make up the volume to 200 ul using DiluOBuffer.
2. Once both blocked antibody-peptide solution and the control antibody solution have been made, incubate both solutions at 4 degrees C overnight on a rotating mixer. Centrifuge both tubes at 12,000-14000 xg for 1-2 minute at 4 degrees C. A small amount of precipitate may accumulate in the blocked antibody-peptide solution due to antibody-antigen complex formation. If this occurs, carefully remove the precipitate and use only the supernatant.
3. Dilute both solutions in 1X DiluOBuffer to the final dilution volume of 15 mL. The antibody-peptide solution will not give any labeling or will have significantly reduced labeling while the Control Antibody solution should provide standard results.

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-44993PEP

NBP2-57989PEP	SESN1 Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
H00027244-B01P	SESN1 Antibody
NB200-103	p53 Antibody (PAb 240) - BSA Free

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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