

Anti-Nck antibody [5B7] ab129367

[5 Images](#)

Overview

Product name	Anti-Nck antibody [5B7]
Description	Mouse monoclonal [5B7] to Nck
Host species	Mouse
Tested applications	Suitable for: WB, ELISA, IHC-P, Flow Cyt
Species reactivity	Reacts with: Human, African green monkey, Recombinant fragment
Immunogen	Purified recombinant fragment of Human Nck expressed in <i>E. coli</i> (203-371)
Positive control	Jurkat, HeLa, HEK293, A431, K562 and COS7 cell lysates; Jurkat cells. Human rectum cancer tissue; Human Nck (aa203-371) recombinant protein.
General notes	<p>This product was changed from ascites to supernatant. Lot no's high than GR133551-6 are from Tissue Culture Supernatant</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: 99% PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	5B7
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab129367 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 43 kDa.
ELISA		1/10000.
IHC-P		1/200 - 1/1000.
Flow Cyt		1/200 - 1/400. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

Adapter protein which associates with tyrosine-phosphorylated growth factor receptors or their cellular substrates. Maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. Plays a role in the DNA damage response, not in the detection of the damage by ATM/ATR, but for efficient activation of downstream effectors, such as that of CHEK2.

Sequence similarities

Contains 1 SH2 domain.
Contains 3 SH3 domains.

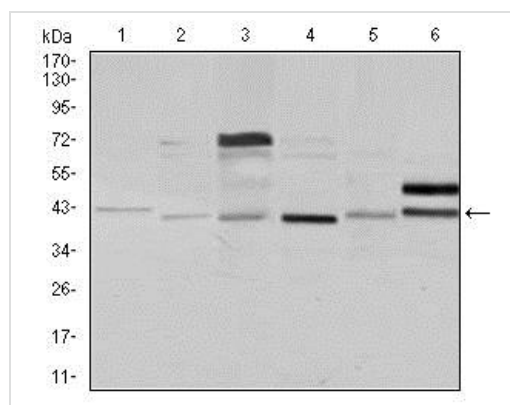
Post-translational modifications

Phosphorylated on Ser and Tyr residues.

Cellular localization

Cytoplasm. Endoplasmic reticulum. Nucleus. Mostly cytoplasmic, but shuttles between the cytoplasm and the nucleus. Import into the nucleus requires the interaction with SOCS7. Predominantly nuclear following genotoxic stresses, such as UV irradiation, hydroxyurea or mitomycin C treatments.

Images



Western blot - Anti-Nck antibody [5B7] (ab129367)

All lanes : Anti-Nck antibody [5B7] (ab129367) at 1/500 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : HeLa cell lysate

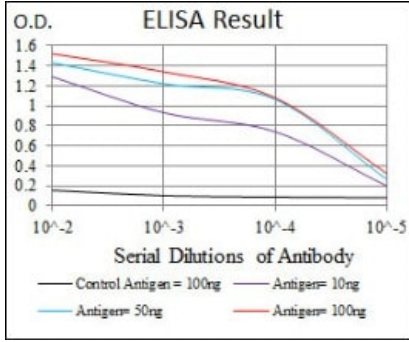
Lane 3 : HEK293 cell lysate

Lane 4 : A431 cell lysate

Lane 5 : K562 cell lysate

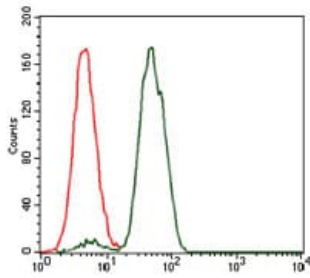
Lane 6 : Cos7 cell lysate

Predicted band size: 43 kDa



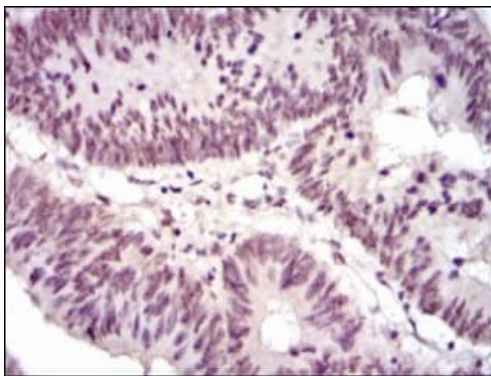
ab129367 staining Nck antigen by ELISA.

ELISA - Anti-Nck antibody [5B7] (ab129367)



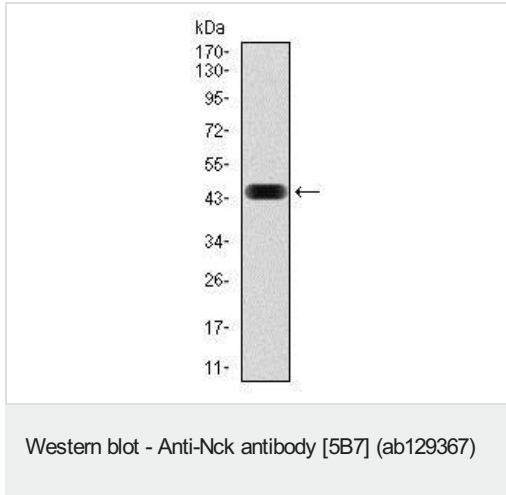
ab129367, at 1/200 dilution, staining Nck in Jurkat cells by flow cytometry (green). Negative control shown in red.

Flow Cytometry - Anti-Nck antibody [5B7] (ab129367)



ab129367, at 1/200 dilution, staining Nck in paraffin-embedded Human rectum cancer tissue by Immunohistochemistry, with DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nck antibody [5B7] (ab129367)



Anti-Nck antibody [5B7] (ab129367) at 1/500 dilution + Human Recombinant Nck fragment (aa 203-371)

Predicted band size: 43 kDa

The expected molecular weight of the recombinant fragment is 45 kDa.

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