




Product datasheet

Anti-hnRNP Q antibody ab189405

[1 References](#) [3 Images](#)

Overview

Product name	Anti-hnRNP Q antibody
Description	Rabbit polyclonal to hnRNP Q
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human hnRNP Q aa 200-300. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. (NP_006363.4). Database link: O60506  Run BLAST with  Run BLAST with
Positive control	Human brain, neurons, tissue; HepG2 cells; HUVEC, Jurkat and 293 cell extracts.
General notes	<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). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 0.87% Sodium chloride, 50% Glycerol (glycerin, glycerine) PBS without Mg ²⁺ and Ca ²⁺ .

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

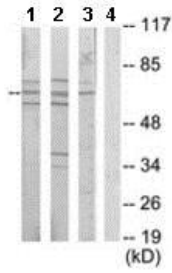
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab189405 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 20 µg/ml.
ICC/IF		1/100 - 1/500.
WB		1/500 - 1/1000. Predicted molecular weight: 70 kDa.

Target

Function	Heterogenous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing mechanisms. Component of the CRD-mediated complex that promotes MYC mRNA stability. Isoform 1, isoform 2 and isoform 3 are associated in vitro with pre-mRNA, splicing intermediates and mature mRNA protein complexes. Isoform 1 binds to apoB mRNA AU-rich sequences. Isoform 1 is part of the APOB mRNA editosome complex and may modulate the postranscriptional C to U RNA-editing of the APOB mRNA through either by binding to A1CF (APOBEC1 complementation factor), to APOBEC1 or to RNA itself. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Interacts in vitro preferentially with poly(A) and poly(U) RNA sequences. Isoform 3 may be involved in cytoplasmic vesicle-based mRNA transport through interaction with synaptotagmins.
Tissue specificity	Ubiquitously expressed. Detected in heart, brain, pancreas, placenta, spleen, lung, liver, skeletal muscle, kidney, thymus, prostate, uterus, small intestine, colon, peripheral blood and testis.
Sequence similarities	Contains 3 RRM (RNA recognition motif) domains.
Domain	The domain containing eight Arg-Gly-Gly repeats may be involved in RNA-binding and protein-protein interactions.
Post-translational modifications	Phosphorylated on tyrosine. The membrane-bound form found in microsomes is phosphorylated in vitro by insulin receptor tyrosine kinase (INSR). Phosphorylation is inhibited upon binding to RNA, whereas the cytoplasmic form is poorly phosphorylated (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus > nucleoplasm. Expressed predominantly in the nucleoplasm and Cytoplasm. Microsome. Endoplasmic reticulum. Nucleus. The tyrosine phosphorylated form bound to RNA is found in microsomes (By similarity). Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Images



Western blot - Anti-hnRNP Q antibody (ab189405)

All lanes : Anti-hnRNP Q antibody (ab189405) at 1/500 dilution

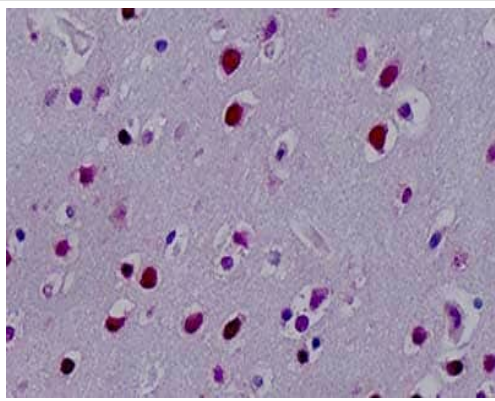
Lane 1 : HUVEC cell extract

Lane 2 : Jurkat cell extract

Lane 3 : 293 cell extract

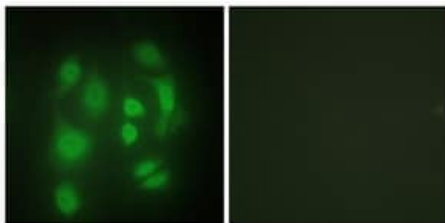
Lane 4 : 293 cell extract with immunizing peptide

Predicted band size: 70 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP Q antibody (ab189405)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain, neurons, tissue labeling hnRNP Q with ab189405 at 20 µg/ml.



Immunocytochemistry/ Immunofluorescence - Anti-hnRNP Q antibody (ab189405)

Immunofluorescent analysis of HepG2 cells labeling hnRNP Q with ab189405 at 1/100 dilution, in the presence (right panel) or absence (left panel) of immunizing peptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors