




Product datasheet

Anti-NRAS antibody ab77392

★★★★★ [11 Abreviews](#) [12 References](#) [1 Image](#)

Overview

Product name	Anti-NRAS antibody
Description	Goat polyclonal to NRAS
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human NRAS aa 150 to the C-terminus. 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. Accession Number: NP_002515.1  Run BLAST with  Run BLAST with
Positive control	WB: MCF7 cell lysate.
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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab77392 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
Clonality	Polyclonal

Isotype IgG

Applications

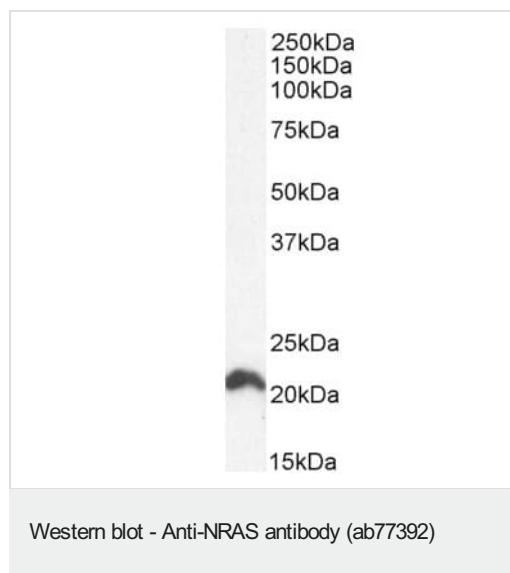
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab77392 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (6)	Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa). 1 hour primary incubation at room temperature is recommended for this product.

Target

Function	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.
Involvement in disease	Defects in NRAS are a cause of juvenile myelomonocytic leukemia (JMML) [MIM:607785]. JMML is a pediatric myelodysplastic syndrome that constitutes approximately 30% of childhood cases of myelodysplastic syndrome (MDS) and 2% of leukemia. Defects in NRAS are the cause of Noonan syndrome type 6 (NS6) [MIM:613224]. A syndrome characterized by facial dysmorphic features such as hypertelorism, a downward eyeslant and low-set posteriorly rotated ears. Other features can include short stature, a short neck with webbing or redundancy of skin, cardiac anomalies, deafness, motor delay and variable intellectual deficits.
Sequence similarities	Belongs to the small GTPase superfamily. Ras family.
Post-translational modifications	Palmitoylated by the ZDHHC9-GOLGA7 complex. A continuous cycle of de- and re-palmitoylation regulates rapid exchange between plasma membrane and Golgi.
Cellular localization	Cell membrane. Golgi apparatus membrane. Shuttles between the plasma membrane and the Golgi apparatus.

Images



Anti-NRAS antibody (ab77392) at 0.5 µg/ml + MCF7 (human breast adenocarcinoma cell line) whole cell lysate in RIPA buffer. at 35 µg

Predicted band size: 21 kDa

Observed band size: 21 kDa

Primary incubation for 1 hour at room temperature. Detected by chemiluminescence.

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

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