

Product datasheet

Anti-KRAS+HRAS+NRAS antibody ab55391

★★★★☆ 3 Abreviews 15 References 3 图像

概述

产品名称	Anti-KRAS+HRAS+NRAS抗体
描述	小鼠单克隆抗体to KRAS+HRAS+NRAS
宿主	Mouse
经测试应用	适用于: WB, IHC-P, Flow Cyt
种属反应性	与反应: Human
免疫原	Recombinant fragment (GST-tag) corresponding to Human KRAS+HRAS+NRAS aa 16-125. Sequence: KSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDITAGQEEYS AMRDQYMRTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSQVPMVLVG NKCDLPSRTV Database link: P01116

[Run BLAST with](#)

[Run BLAST with](#)

常规说明

Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody [ab206969](#) as a replacement.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG2a
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab55391** in the following tested applications.

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

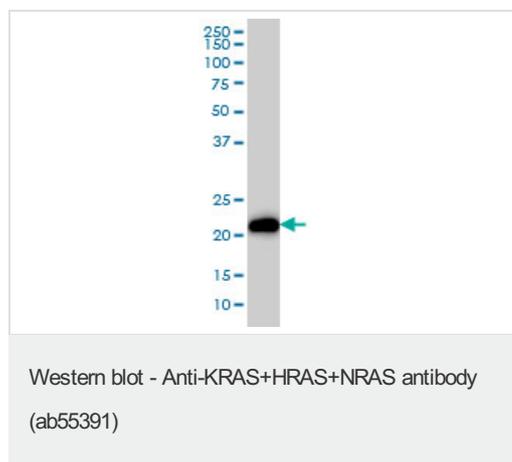
应用	Ab评论	说明
WB	★★★★★	Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 22 kDa.
IHC-P	★★★★☆	Use at an assay dependent concentration.
Flow Cyt		Use 0.5-1µg for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

靶标

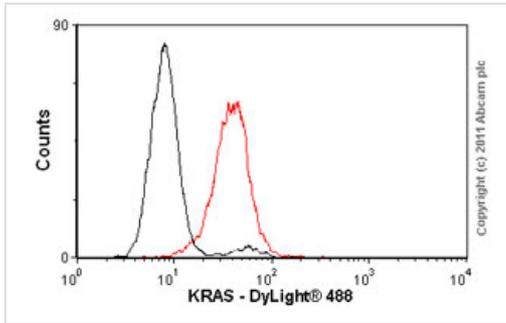
相关性 Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the regulation of cell proliferation. Enzyme regulation: Alternates between an inactive form bound to GDP and an active form bound to GTP. Activated by a guanine nucleotide-exchange factor (GEF) and inactivated by a GTPase-activating protein (GAP). Interaction with SOS1 promotes exchange of bound GDP by GTP.

细胞定位 Cell Membrane, Cytoplasmic and Golgi Apparatus

图片

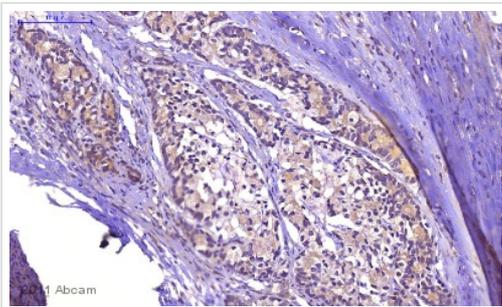


cK Ras antibody (ab55391) at 1ug/lane +
HeLa cell lysate at 25ug/lane.



Flow Cytometry - Anti-KRAS+HRAS+NRAS antibody (ab55391)

Overlay histogram showing HeLa cells stained with ab55391 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab55391, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIG2A] (ab91361, 1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a slightly decreased signal in HeLa cells fixed with methanol (5 min)/permeabilized with 0.1% PBS-Tween 20 used under the same conditions.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KRAS+HRAS+NRAS antibody (ab55391)

This image is courtesy of an Abreview submitted by Les Henderson

ab55391 staining KRAS+HRAS+NRAS in Human Gastric Adenocarcinoma tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with 10% phosphate buffered formalin, permeabilized with 0.025% of triton X -100 in TBS and blocked with 3% hydrogen peroxide for 5 minutes at room temperature; antigen retrieval was by heat mediation in target retrieval solution. Samples were incubated with primary antibody (1/100 in 0.025% triton X-100-TBS) for 1 hour. An HRP polymer was used for detection.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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.cn/abpromise> or contact our technical team.

Terms and conditions

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