

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: KSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYS AMRDQYMRTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSQEDVPMVLVG NKCDLPSRTV Database link: P01116

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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.

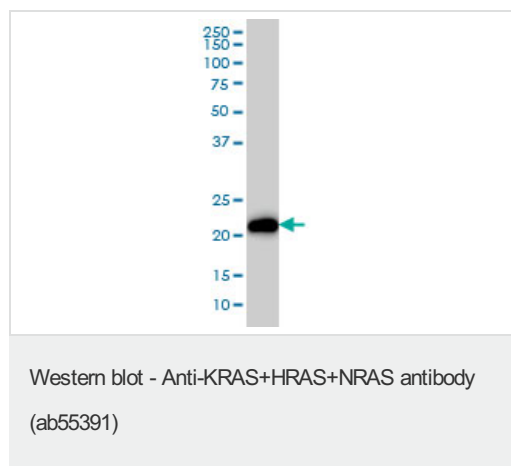
应用	Ab评论	说明
WB	★★★★★	Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 22 kDa.
IHC-P	★★★★☆	Use at an assay dependent concentration.
Flow Cyt		Use 0.5-1µg for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

靶标

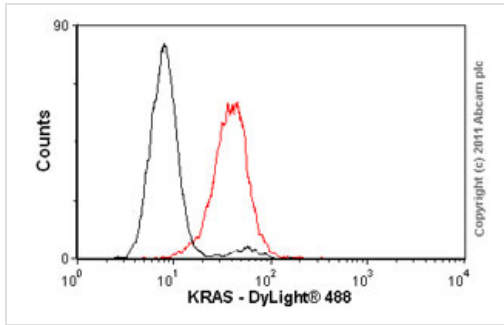
相关性 Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the regulation of cell proliferation. Enzyme regulation: Alternates between an inactive form bound to GDP and an active form bound to GTP. Activated by a guanine nucleotide-exchange factor (GEF) and inactivated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

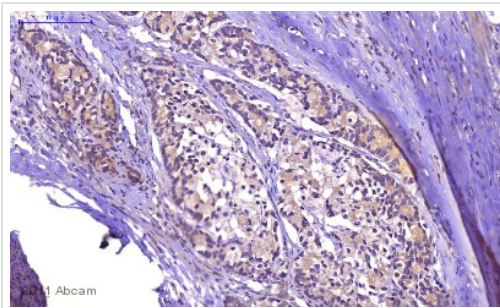


cK Ras antibody (ab55391) at 1ug/lane + HeLa cell lysate at 25ug/lane.



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.

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