

## Product datasheet

# Anti-Ras antibody [EPR3255] ab108602

**重组** RabMAb

★★★★☆ 1 Abreviews 6 References 1 图像

### 概述

<b>产品名称</b>	Anti-Ras抗体[EPR3255]
<b>描述</b>	兔单克隆抗体[EPR3255] to Ras
<b>宿主</b>	Rabbit
<b>特异性</b>	ab108602 also detects H-Ras and N-Ras.
<b>经测试应用</b>	<b>适用于:</b> WB, IP, ICC <b>不适用于:</b> Flow Cyt or IHC-P
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Human
<b>免疫原</b>	Synthetic peptide within Human Ras aa 1-100 (N terminal). The exact sequence is proprietary.
<b>阳性对照</b>	WB: 293T and SH-SY5Y cell lysates.
<b>常规说明</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>  This product is a recombinant rabbit monoclonal antibody.

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
<b>存储溶液</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
<b>纯度</b>	Tissue culture supernatant
<b>克隆</b>	单克隆
<b>克隆编号</b>	EPR3255
<b>同种型</b>	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab108602** 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	★★★★☆	1/1000 - 1/10000. Predicted molecular weight: 22 kDa.
IP		1/10 - 1/100.
ICC		1/50 - 1/100.
应用说明		Is unsuitable for Flow Cyt or IHC-P.

## 靶标

**功能** Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.

**疾病相关** Defects in HRAS are the cause of faciocutaneoskeletal syndrome (FCSS) [MIM:218040]. A rare condition characterized by prenatally increased growth, postnatal growth deficiency, mental retardation, distinctive facial appearance, cardiovascular abnormalities (typically pulmonic stenosis, hypertrophic cardiomyopathy and/or atrial tachycardia), tumor predisposition, skin and musculoskeletal abnormalities.

Defects in HRAS are the cause of congenital myopathy with excess of muscle spindles (CMEMS) [MIM:218040]. CMEMS is a variant of Costello syndrome.

Defects in HRAS may be a cause of susceptibility to Hurthle cell thyroid carcinoma (HCTC) [MIM:607464]. Hurthle cell thyroid carcinoma accounts for approximately 3% of all thyroid cancers. Although they are classified as variants of follicular neoplasms, they are more often multifocal and somewhat more aggressive and are less likely to take up iodine than are other follicular neoplasms.

Note=Mutations which change positions 12, 13 or 61 activate the potential of HRAS to transform cultured cells and are implicated in a variety of human tumors.

Defects in HRAS are a cause of susceptibility to bladder cancer (BLC) [MIM:109800]. A malignancy originating in tissues of the urinary bladder. It often presents with multiple tumors appearing at different times and at different sites in the bladder. Most bladder cancers are transitional cell carcinomas. They begin in cells that normally make up the inner lining of the bladder. Other types of bladder cancer include squamous cell carcinoma (cancer that begins in thin, flat cells) and adenocarcinoma (cancer that begins in cells that make and release mucus and other fluids). Bladder cancer is a complex disorder with both genetic and environmental influences.

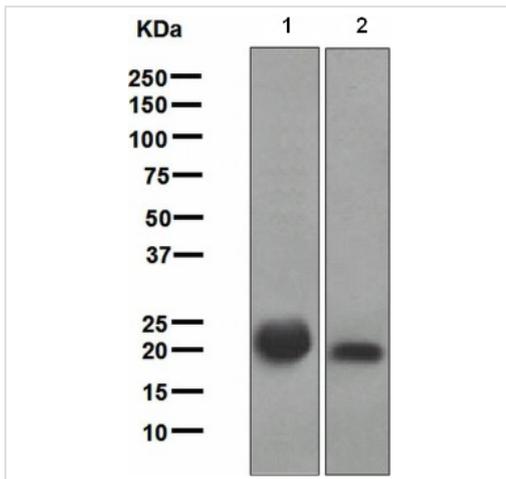
Note=Defects in HRAS are the cause of oral squamous cell carcinoma (OSCC).

**序列相似性** Belongs to the small GTPase superfamily. Ras family.

**翻译后修饰** Palmitoylated by the ZDHHC9-GOLGA7 complex. A continuous cycle of de- and palmitoylation regulates rapid exchange between plasma membrane and Golgi. S-nitrosylated; critical for redox regulation. Important for stimulating guanine nucleotide exchange. No structural perturbation on nitrosylation.

**细胞定位** Cell membrane. Golgi apparatus membrane. The active GTP-bound form is localized most strongly to membranes than the inactive GDP-bound form (By similarity). Shuttles between the plasma membrane and the Golgi apparatus.

## 图片



Western blot - Anti-Ras antibody [EPR3255]  
(ab108602)

**All lanes :** Anti-Ras antibody [EPR3255]  
(ab108602) at 1/1000 dilution

**Lane 1 :** 293T cell lysate

**Lane 2 :** SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** HRP labelled goat anti-rabbit at  
1/2000 dilution

**Predicted band size:** 22 kDa

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

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