Product datasheet

**Anti-RHOB antibody ab155149**

2 Images

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**Overview**

- **Product name**: Anti-RHOB antibody
- **Description**: Rabbit polyclonal to RHOB
- **Host species**: Rabbit
- **Tested applications**: Suitable for: WB
- **Species reactivity**: Reacts with: Mouse, Human
  Predicted to work with: Rat, Chicken, Cow, Pig, Xenopus laevis, Monkey, Xenopus tropicalis
- **Immunogen**: Recombinant fragment, corresponding to a region within amino acids 1-146 of Human RHOB (UniProt P62745).
- **Positive control**: MR32 and U-87 MG cell lysates; Mouse brain lysate.

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**Properties**

- **Form**: Liquid
- **Storage instructions**: Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
- **Storage buffer**: pH: 7.00
  - Preservative: 0.01% Thimerosal (merthiolate)
  - Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
- **Purity**: Immunogen affinity purified
- **Clonality**: Polyclonal
- **Isotype**: IgG

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**Applications**

Our Abpromise guarantee covers the use of **ab155149** in the following tested applications.

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

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**Target**

**Function**
Mediates apoptosis in neoplastically transformed cells after DNA damage. Not essential for development but affects cell adhesion and growth factor signaling in transformed cells. Plays a negative role in tumorigenesis as deletion causes tumor formation. Involved in intracellular protein trafficking of a number of proteins. Targets PKN1 to endosomes and is involved in trafficking of the EGF receptor from late endosomes to lysosomes. Also required for stability and nuclear trafficking of AKT1/AKT which promotes endothelial cell survival during vascular development.

**Sequence similarities**
Belongs to the small GTPase superfamily. Rho family.

**Post-translational modifications**
Prenylation specifies the subcellular location of RHOB. The farnesylated form is localized to the plasma membrane while the geranylgeranylated form is localized to the endosome.

**Cellular localization**

**Images**

1. Anti-RHOB antibody (ab155149) at 1/500 dilution + U-87 MG whole cell lysate at 30 µg
   - **Predicted band size:** 22 kDa
   - **12% SDS PAGE**

2. Anti-RHOB antibody (ab155149) at 1/1000 dilution + Mouse brain whole cell lysate at 50 µg
   - **Predicted band size:** 22 kDa
   - **12% SDS PAGE**
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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