

AP50230PU-N**Polyclonal Antibody to RhoB (Center) - Purified****Alternate names:**

ARH6, ARHB, Rho cDNA clone 6, Rho-related GTP-binding protein RhoB

Quantity:

0.4 ml

Concentration:

lot specific

Background:

ARHB 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.

Uniprot ID:[P62745](#)**NCBI:**[NP_004031](#)**GeneID:**[388](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

KLH conjugated synthetic peptide between 103-137 amino acids from the Central region of human ARHB

Format:**State:** Liquid purified Ig fraction**Purification:** Saturated Ammonium Sulfate (SAS) precipitation**Buffer System:** PBS containing 0.09% (W/V) sodium azide as preservative**Applications:****ELISA:** 1/1000.**Western blotting:** 1/50 - 1/100.**Immunohistochemistry:** 1/10 - 1/50.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to RhoB.

Species Reactivity:**Tested:** Human.**Add. Information:****Molecular Weight:** 22123 Da**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

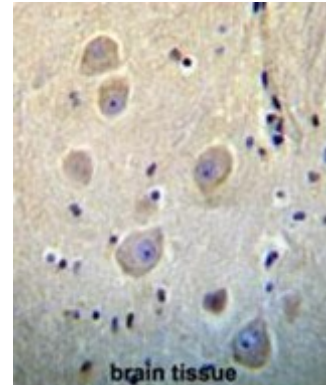
Shelf life: one year from despatch.

General Readings:

1. Adly, M.A., et al. J. Cutan. Pathol. 37(7):751-757(2010)
2. Connolly, E.C., et al. Mol. Cancer Res. 8(5):691-700(2010)
3. Zintzaras, E., et al. Am. J. Epidemiol. 171(8):851-858(2010)
4. Kim, C.H., et al. Biochem. Biophys. Res. Commun. 391(2):1182-1186(2010)
5. Takefuji, M., et al. J. Hum. Genet. 55(1):42-49(2010)

Pictures:

ARHB Antibody (Center) (Cat. #AP50230PU-N) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ARHB Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



ARHB Antibody (Center) (Cat. #AP50230PU-N) western blot analysis in HL-60 cell line lysates (35µg/lane). This demonstrates the ARHB antibody detected the ARHB protein (arrow).

