Rho H (M134) polyclonal antibody

Catalog: BCP01431 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The Rho subfamily of small GTP-binding proteins mediates many fundamental cellular functions. The commonly studied members (Rho, Rac, and CDC42) regulate actin reorganization and affect diverse cellular responses, including adhesion, cytokinesis, and motility. RhoH, also known as TTF (Translocation Three Four), Rho-related GTP-binding protein and ras homolog gene family member H, is unlike most other small G proteins. Most small G proteins are expressed ubiquitously, however, Rho H is expressed only in hemopoietic cells and tissues. Translocations and a high frequency of Rho H mutation have been detected in primary lymphoma cells. Rho H expression has also been observed in activated neutrophils. RhoH is GTPase deficient, remaining in a GTP-bound activated state without cycling. Rho H may be involved in the functional differentiation of T cells and in cytoskeleton organization. The RhoH/TTF (ARHH) gene maps to chromosome 4p13 and encodes a 191 -amino acid polypeptide.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 21 kDa

Swiss-Prot:

Q15669

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

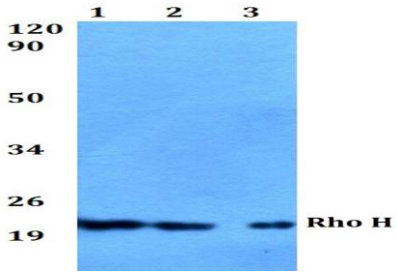
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Rho H (M134) polyclonal antibody detects endogenous levels of Rho H protein.

DATA:



Western blot (WB) analysis of Rho H (M134) pAb at 1:500 dilution

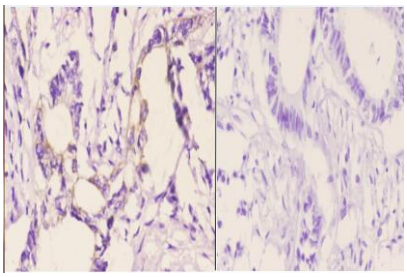
Lane1:HEK293T whole cell lysate(20ug)

Lane2:HepG2 whole cell lysate(20ug)

Lane3:Hela whole cell lysate(20ug)

Lane4:C6 whole cell lysate(40ug)

Lane5:CT26 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Rho H (M134) pAb in paraffin-embedded human rectum carcinoma tissue at 1:50.showing cytoplasmic and cell membrane staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.