

## FHIT (E116) polyclonal antibody

Catalog: BCP00775

Host: Rabbit

Reactivity: Human, Mouse

### BackGround:

FHIT, a candidate tumor suppressor gene, contains the FRA3B common fragile site and is highly susceptible to carcinogen damage. The pattern of mutational inactivation seen with the FHIT gene is unique compared with other known tumor suppressors. FHIT gene structure and expression have been shown to be altered in esophageal, head, neck, lung, gastric, breast, and cervical carcinomas. It has been demonstrated that FHIT exon loss is associated with smoking duration or asbestos exposure. The FHIT protein is a member of the histidine triad (HIT) superfamily and functions as a dinucleoside 5',5'''-P1,P3-triphosphate hydrolase.

### Product:

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

### Molecular Weight:

~ 17 kDa

### Swiss-Prot:

P49789

### 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

IP: 1:50~1:200

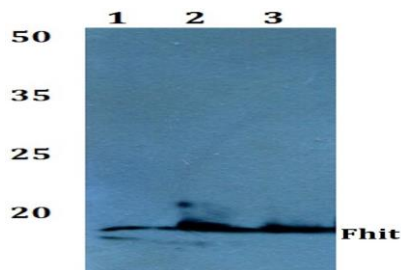
### Storage&Stability:

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

### Specificity:

FHIT (E116) polyclonal antibody detects endogenous levels of FHIT protein.

### DATA:



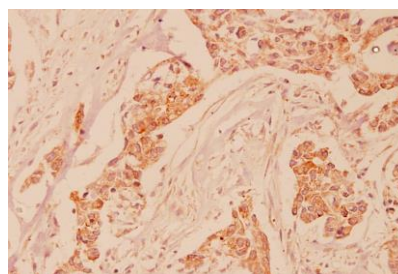
Western blot (WB) analysis of FHIT (E116) pAb at 1:500 dilution

Lane1:SK-OVCAR3 whole cell lysate(40ug)

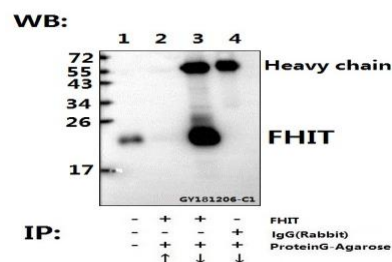
Lane2:The Kidney tissue lysate of Mouse(40ug)

Lane3:MCF-7 whole cell lysate(40ug)

Lane4:SGC7901 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of FHIT (E116) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of MCF-7 cell lysate using

FHIT (E116) polyclonal antibody (Sepharose Bead Conjugate)

#BD0048(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose

Bead Conjugate) #BD0048 (lane 4 ).Lane 1 is 30% input.The western

blot was probed using FHIT (E116).“ ↑ ”(supernatant);“ ↓ ”(deposition)

### Note:

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