

## GCP5 (I779) polyclonal antibody

Catalog: BCP00811

Host: Rabbit

Reactivity: Human

### BackGround:

The  $\gamma$ -Tubulin complex is composed of  $\gamma$  Tubulin and the  $\gamma$ -Tubulin complex associated proteins GCP2, GCP3, GCP4, GCP5 and GCP6, all of which are essential components of microtubule organizing centers.  $\gamma$ -Tubulin complex components are localized to both the centrosome, where they are involved in microtubule nucleation, and to the cytoplasm, where they exist as soluble complexes that can be recruited to the centrosome as needed. Although the GCP proteins are related, they have distinct roles which contribute to the proper function of the  $\gamma$ -Tubulin complex. GCP5 ( $\gamma$ -Tubulin complex component 5), also known as TUBGCP5, is a 1,024 amino acid member of the  $\gamma$ -Tubulin complex and is highly expressed in heart and skeletal muscle. Defects in the gene encoding GCP5 are implicated in Prader-Willi syndrome (PWS), a rare genetic disorder associated with obesity, compulsive behavior and lower intellectual ability.

### Product:

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

### Molecular Weight:

~ 118 kDa

### Swiss-Prot:

Q96RT8

### 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

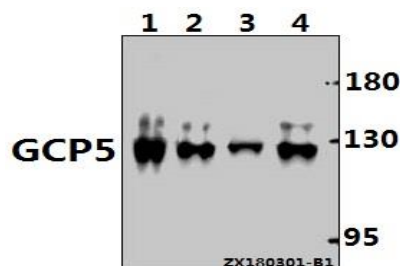
### Storage&Stability:

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

### Specificity:

GCP5 (I779) polyclonal antibody detects endogenous levels of GCP5 protein.

### DATA:



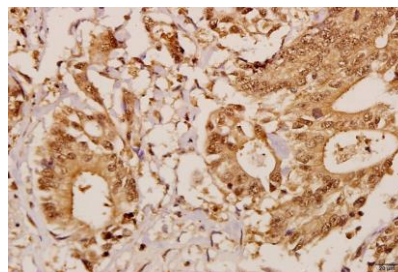
Western blot (WB) analysis of GCP5 (I779) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:L02 whole cell lysate(40ug)

Lane3:SGC7901 whole cell lysate(20ug)

Lane4:A375 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of GCP5 (I779) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

### Note:

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