



Anti- LOC54675 (Protein C20orf155 or CAPTase-iso), Rabbit-Polyclonal Antibody

Catalog No. GB-30032
Antigen species: Human
Host species: Rabbit

Quantity: 250 μ l
Reactivity: Human
Form: Antiserum

Applications tested: ELISA

Target description

The function of this protein is still unknown. The gene of human hypothetical protein (LOC54675) is up-regulated in colon cancer metastasis.

Antigen

This polyclonal antibody was raised by immunizing rabbit with a synthetic peptide of Homo sapiens hypothetical protein (LOC54675).

Application

The antibody titer is over 40,000 based on dot blot analysis and is more than 100K for ELISA. It has not been tested in the other applications. However, for the first testing, we recommend 1/5,000 dilution for ELISA, 1/1000 dilution for Western blot analysis (WB) of recombinant protein, 1/400 dilution for tissue extracts or cell lysates, 1/100 dilution for immunohistochemistry (IHC) staining on frozen cryosections, 1/50 dilution for IHC staining on paraffin embedded sections.

Related Products

1. Anti-MMP2 pAb (GB-10342).
2. Anti-BMP1 pAb (GB-10001).
3. Anti-MMP17 pAb (GB-10042).
4. Anti-MMP1 pAb (PY-10174).
5. Anti-MMP12(a.a.35-117) pAb (PY-10169).

Ab dilution	Pre-bleed	Anti-serum
1:10K	0.069	0.686
1:100K	0.050	0.191
1:1,000K	0.049	0.058
Titer		~381 K

ELISA Protocol

Antigen is coated on EIA strips at 1 μ g per well. Add 200 μ l of blocking buffer and then wash wells with PBST buffer. Antiserum of GB-30032 is diluted in series as $10^4 \sim 10^6$ folds and added in separate wells. Incubate antibody for 1hr. Wash unbound antibodies and add anti-rabbit IgG-HRP conjugate. Wash the plates and add substrate to develop color for 5 min. Read absorbance (ABS) at 650 nm. Amount of color is directly proportional to the amount of antibodies. Antibody is positive at >0.1 of ABS of antiserum minus prebleed serum.

Storage

It is supplied as lyophilized serum. Redissolve the lyophilized powder with 250 microliter sterile water will restore the original condition. Store at 4°C for short term application. For long-term storage, aliquot and store at -20°C.

References

1. Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G., Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D., etc. *Proc Natl Acad Sci U S A*. 99:16899-903, 2002.
2. Saha, S.; Bardelli, A.; Buckhaults, P.; Velculescu, V. E.; Rago, C.; St. Croix, B.; Romans, K. E.; Choti, M. A.; Lengauer, C.; Kinzler, K. W.; Vogelstein, B. : A phosphatase associated with metastasis of colorectal cancer. *Science* 294: 1343-1346, 2001.