



Anti-G protein-coupled receptor 125 (GPR125), Rabbit-Polyclonal Antibody

Catalog No. GB-10400
Antigen species: Human
Host species: Rabbit

Quantity: 250 μ L
Reactivity: Human
Form: Antiserum

Applications tested: ELISA

Target description

GPR125, has a leucine rich repeat (LRR), an immunoglobulin (Ig) domain, and a hormone-binding domain (HBD). The Ig domain shows similarities to motilin and titin, while the LRR domain shows similarities to LRIG1 and SLIT1-2. ESTs have been isolated primarily from amnion, connective tissue, ear, embryo, eye, ganglion, heart, lung, placenta, and skin libraries.

Antigen

This polyclonal antibody was raised by immunizing rabbit with a synthetic peptide located in the receptor domain (328-354 amino acids) of human GPR125.

Application

The antibody titer is more than 500K for ELISA. However, for the first testing, we recommend 1/5,000 dilution for ELISA, 1/1,000 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-GPR103, pAb (GB-30112).

Ab dilution	Pre-bleed	Anti-serum
1:10K	0.077	1.498
1:100K	0.068	0.479
1:1,000K	0.060	0.144
Titer		943K

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. The pre-immune serum and peptide specific purified antibody GB-10400 are 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 titer is defined as maxima dilution with >0.1 of ABS of antiserum minus pre-bleed 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. Carson-Walter, E. B.; Watkins, D. N.; Nanda, A.; Vogelstein, B.; Kinzler, K. W.; St. Croix, B. Cell surface tumor endothelial markers are conserved in mice and humans. *Cancer Res.* 61: 6649-6655, 2001.
2. St. Croix, B.; Rago, C.; Velculescu, V.; Traverso, G.; Romans, K. E.; Montgomery, E.; Lal, A.; Riggins, G. J.; Lengauer, C.; Vogelstein, B.; Kinzler, K. W. Genes expressed in human tumor endothelium. *Science* 289: 1197-1202, 2000.
3. Konstantin I.; Mary A. B.; Valery K.; Alvin R. L.; Oleg C.; Ronald W. H.; Alexander G. P. A novel ubiquitously expressed α -latrotoxin receptor is a member of the CIRL family of G-protein coupled receptors. *J. Biol. Chem.* 274:5491-5498, 1999.