



Anti-Insulin-like growth factor binding protein 6(IGFBP6), Chicken-Polyclonal Antibody

Catalog No. PY-10255

Antigen species: Human

Host species: Chicken

Quantity: 100µg

Reactivity: Human

Form: Antigen affinity purified antibody

Applications: Western Blot

Target description

IGFBP6 encodes for a 216-amino acid protein with a calculated molecular weight of 22,847. The protein was found to be an autocrine growth inhibitor. Recombinant IGFBP6 was shown to inhibit growth of HaCat cells and other keratinocyte cell lines.



E. coli-derived fusion protein as test antigen.

Antigen

This polyclonal antibody was raised by immunizing chicken with IGFBP6 fusion protein (111-199 amino acids).

Application

Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1:5000, for tissue or cell staining is 1:200. Optimal working dilutions must be determined by the end user.

Related Products

1. Anti-VEGFR3, Rabbit pAb (GB-30015)
2. Anti-Vascular endothelial growth factor (VEGF), Rabbit pAb (GB-10050)
3. Anti-Vascular endothelial growth factor (VEGF), Chicken pAb (PY-10031)
4. Anti-v-erb-b2 erythroblastic leukemia viral oncogene homolog 2 (Her2/neu a.a. 153-433), Chicken pAb (PY-10254)
5. Anti-v-erb-b2 erythroblastic leukemia viral oncogene homolog 2 (Her2/neu a.a.146-195), Chicken pAb (PY-10256)

Western Blot protocol:

1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
2. Incubate membrane with IgY antibodies at dilution of 1: 5,000 with 1% milk in PBS-T at R.T. for 1 h.
3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
4. Incubate with 2nd antibody (goat-anti-IgY/Fc-HRP) at dilution 1: 10,000 for ECL (with 1% milk PBS-T) at R.T. for 1 h.
5. Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
6. Perform ECL detection of signal using Pierce ECL kit.

Storage

It is supplied as antigen affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1×PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1. Kato, M., Ishizaki, A., Hellman, U., Wernstedt, C., Kyogoku, M., Miyazono, K., Heldin, C.-H., Funa, K. :A human keratinocyte cell line produces two autocrine growth inhibitors, transforming growth factor-beta and insulin-like growth factor binding protein-6, in a calcium- and cell density-dependent manner. *J. Biol. Chem.* 270: 12373-12379, 1995.

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