



## Anti-Human Cyr61(a.a.275-381), Chicken-Polyclonal Antibody

**Catalog No.** PY-10282

**Antigen species:** Human

**Host species:** Chicken

**Quantity:** 100µg

**Reactivity:** Human

**Form:** Antigen affinity purified antibody

**Applications tested:** Western blot

### Target description

Cyr61, CCN1, GIG1, IGFBP10, cysteine-rich, angiogenic inducer, 61.

CCN1/Cyr61 is a member of the protein family that can be promptly induced by growth factors. CCN1/Cyr61 promotes cell proliferation, adhesion, and differentiation. It plays important roles in angiogenesis and extracellular matrix production. In addition, CCN1/Cyr61 has many potential functions in tumorigenesis, development, embryo implantation, as well as formation of endometriotic lesions.

### Antigen

This polyclonal antibody was raised by immunizing chicken with E. coli derived protein (275-381 amino acids).

### Application

ELISA, Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1:3000, for tissue or cell staining is 1:200. Optimal working dilutions must be determined by the end user.

### Related Products

1. Anti-TEM1 pAb (GB-10374).
2. Anti-TEM2 pAb (GB-30131).
3. Anti-TEM3 pAb (GB-30132).
4. Anti-TEM4 pAb (GB-30133).
5. Anti-TEM5 pAb (GB-10011).

kDa

30 —

24 —

17 —

← Cyr61 fusion protein

400ng E. coli derived protein as test antigen.

### 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: 10,000 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 1h.
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 (1xPBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

### References

1. J Cell Biochem. 2007 Apr15;100(6): 1337-45.
2. FEBS J. 2006 Aug;273(16):3639-49. Epub 2006 Jul 19.