



## Anti-Human UCN3 (a.a.1-161), Chicken-Polyclonal Antibody

**Catalog No.** PY-10292

**Quantity:** 100µg

**Applications tested:** Western blot

**Antigen species:** Human

**Reactivity:** Human, Monkey, Chimpanzee

**Host species:** Chicken

**Form:** Antigen affinity purified antibody

### Target description

Urocortin 3, UCN3, stresscopin, urocortin 3 preproprotein.

The effects of stress on energy balance and the involvement of the neuropeptide corticotropin releasing factor in modulating the anorexia of stress and sympathetic nervous system tone are well recognized. Recent findings have demonstrated that urocortin 2 and urocortin 3, by acting through their specific receptor in peripheral tissues, are novel modulators of glucose homeostasis and metabolic functions.

### Antigen

This polyclonal antibody was raised by immunizing chicken with E. coli derived protein (1-161 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-Human UCN1(1-161) pAb (PY-10289)
2. Anti-Human UCN1(68-124) pAb (PY-10290)
3. Anti-Human UCN2(1-112) pAb (PY-10291)

kDa

31 —

24 —

19 —

← UCN3 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: 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 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 (1×PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

### References

1. Trends Endocrinol Metab. 2008 May-Jun;19(4):122-9. Epub 2008 Mar 11.
2. Cell Mol Life Sci. 2007 Jul;64(13):1638-55.