

## CA II (N229) polyclonal antibody

Catalog: BS3440

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Carbonic anhydrases (CAs) are members of a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. CAs are involved in a variety of biological processes including respiration, calcification, acid-base balance and bone resorption, as well as the formation of aqueous humor, cerebrospinal fluid, saliva and gastric juice. They show extensive diversity in distribution and in their subcellular localization. The human CA2 gene, which maps to chromosome 8q21, encodes CA II, a cytoplasmic protein that has the highest turnover rate and widest tissue distribution of any known human CA isozyme.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 28 kDa

### Swiss-Prot:

P00918

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

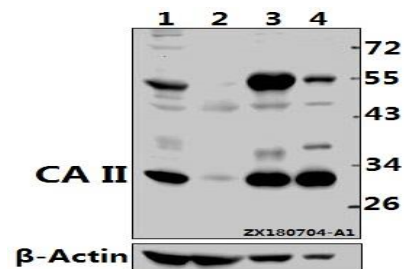
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CA II (N229) polyclonal antibody detects endogenous levels of CA II protein.

### DATA:



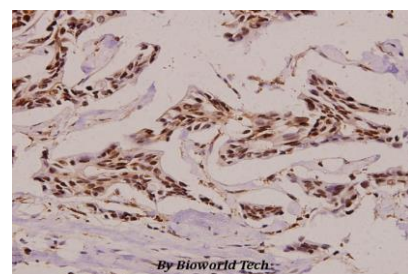
Western blot (WB) analysis of CA II (N229) pAb at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:The Kidney tissue lysate of Mouse(40ug)

Lane3:The Brain tissue lysate of Rat(20ug)

Lane4:HEK293T whole cell lysate(10ug)



Immunohistochemistry (IHC) analyzes of CA II (N229) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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