

## CAPN3 polyclonal antibody

Catalog: BS60732

Host: Rabbit

Reactivity: Human,Rat

### BackGround:

Calpain, an intracellular calcium-dependent protease that cleaves cytoskeletal and submembranous proteins, plays a role in cytoskeletal reorganization and muscle protein degradation. Calpain is a heterodimer composed of a small regulatory subunit and one of three large catalytic subunits, designated calpain 1, calpain 2 and calpain 3. Calpain 3 (calpain p94) is a muscle-preferred calcium activated neutral protease that localizes to the nucleus. The gene encoding human calpain 3 maps to chromosome 15q15.1-q21.1. Mutations involving the calpain 3 gene are associated with limb-girdle muscle dystrophy type 2A, a form of autosomal recessive and progressive neuromuscular disorder. Calpastatin regulates calpain by inhibiting both the proteolytic activity of calpain and its binding to membranes. Calpastatin exists in two types, tissue type and erythrocyte type, resulting from both alternative splicing and proteolytic processing.

### Product:

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

### Molecular Weight:

~ 94 kDa

### Swiss-Prot:

P20807

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

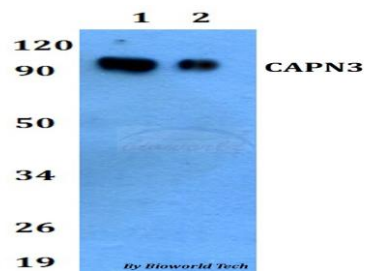
### Storage&Stability:

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

### Specificity:

CAPN3 polyclonal antibody detects endogenous levels of CAPN3 protein.

### DATA:



Western blot (WB) analysis of CAPN3 polyclonal antibody at 1:500 dilution

Lane1:MCF-7 whole cell lysate

Lane2:PC12 whole cell lysate

### Note:

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

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