

## CTSG

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**Reactivity:**Human

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**29kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human CTSG

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CG; CATG;

**Catalog #:**A2679

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1511

**Isotype:**IgG

**Swiss Prot:**P08311

**Purity:**Affinity purification

For research use only.

**Background:**

The protein encoded by this gene, a member of the peptidase S1 protein family, is found in azurophil granules of neutrophilic polymorphonuclear leukocytes. The encoded protease has a specificity similar to that of chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation. In addition, the encoded protein is antimicrobial, with bacteriocidal activity against *S. aureus* and *N. gonorrhoeae*. Transcript variants utilizing alternative polyadenylation signals exist for this gene.

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