

Cathepsin G Antibody (R31480)

Catalog No.	Formulation	Size
R31480	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	1511
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Cathepsin G antibody is available for research use only.



Western blot testing of Cathepsin G antibody and rat thymus lysate. Predicted molecular weight ~29 kDa, can be observed at ~36 kDa.

Description

Cathepsin G is an enzymatic protein belonging to the peptidase or protease families. In humans, it is coded by the CTSG gene. The human Cathepsin G gene was expressed in early myeloid precursors in a manner coordinate with the expression of the endogenous murine gene in the bone marrow and spleen. 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Cathepsin G antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 76-255) was used as the immunogen for this Cathepsin G antibody.

Storage

After reconstitution, the Cathepsin G antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.