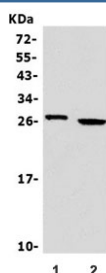


## GZMA Antibody / Granzyme A (RQ5733)

Catalog No.	Formulation	Size
RQ5733	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P12544
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This GZMA antibody is available for research use only.



Western blot testing of human 1) Jurkat and 2) Raji cell lysate with GZMA antibody.  
Predicted molecular weight ~29 kDa.

## Description

GRB7, growth factor receptor-bound protein 7, is a protein which in humans is encoded by the GRB7 gene. The product of this gene belongs to a small family of adaptor proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with epidermal growth factor receptor(EGFR) and ephrin receptors. The protein plays a role in the integrin signaling pathway and cell migration by binding with focal adhesion kinase(FAK). Alternative splicing results in multiple transcript variants encoding different isoforms, although the full-length nature of only two of the variants have been determined to date. GRB7 is an SH2-domain adaptor protein that binds to receptor tyrosine kinases and provides the intra-cellular direct link to the Ras

proto-oncogene. Human GRB7 is located on the long arm of chromosome 17, next to the ERBB2(alias HER2/neu) proto-oncogene. These two genes are commonly co-amplified(present in excess copies) in breast cancers. GRB7 though to be involved in migration, is well known to be over-expressed in testicular germ cell tumors, esophageal cancers, and gastric cancers.

## Application Notes

Optimal dilution of the GZMA antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids N73-N252) was used as the immunogen for the GZMA antibody.

## Storage

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