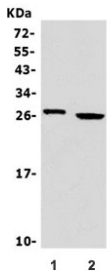
# GZMA Antibody / Granzyme A (RQ5733)

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

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | P12544 |
| **Applications** | Western blot: 0.5-1ug/ml<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | 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 natures 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.


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