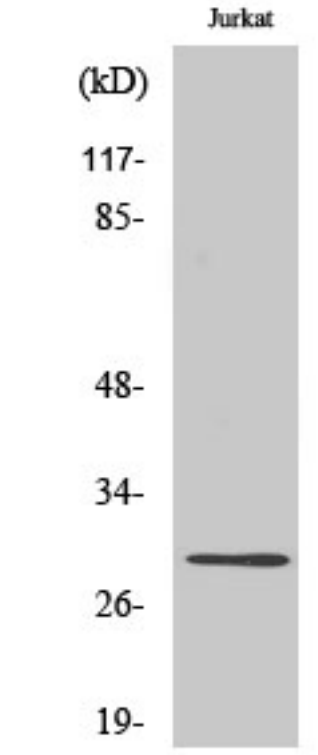
# Granzyme K Polyclonal Antibody

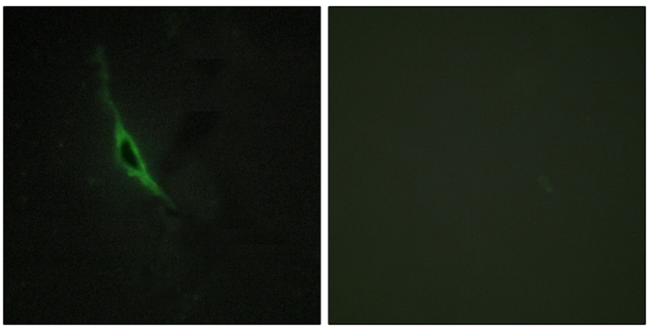
| | |
|---|---|
| **Catalog No** | YP-Ab-00418 |
| **Isotype** | IgG |
| **Reactivity** | Human;Mouse;Rat |
| **Applications** | WB;IHC;IF;ELISA |
| **Gene Name** | GZMK |
| **Protein Name** | Granzyme K |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human GRAK. AA range:61-110 |
| **Specificity** | Granzyme K Polyclonal Antibody detects endogenous levels of Granzyme K protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | GZMK; TRYP2; Granzyme K; Fragmentin-3; Granzyme-3; NK-tryptase-2; NK-Tryp-2 |
| **Observed Band** | 33kD |
| **Cell Pathway** | Secreted. Cytoplasmic granule. |
| **Tissue Specificity** | Expressed in lung, spleen, thymus and peripheral blood leukocytes. |
| **Function** | similarity:Belongs to the peptidase S1 family. Granzyme subfamily.,similarity:Contains 1 peptidase S1 domain.,tissue specificity:Expressed in lung, spleen, thymus and peripheral blood leukocytes., |
| **Background** | This gene product is a member of a group of related serine proteases from the cytoplasmic granules of cytotoxic lymphocytes. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein described here lacks consensus sequences for N-glycosylation present in other granzymes. [provided by RefSeq, Jul 2008], |

| | |
|---|---|
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

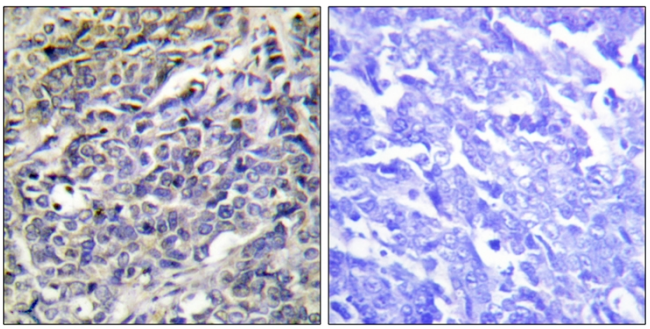
## Products Images



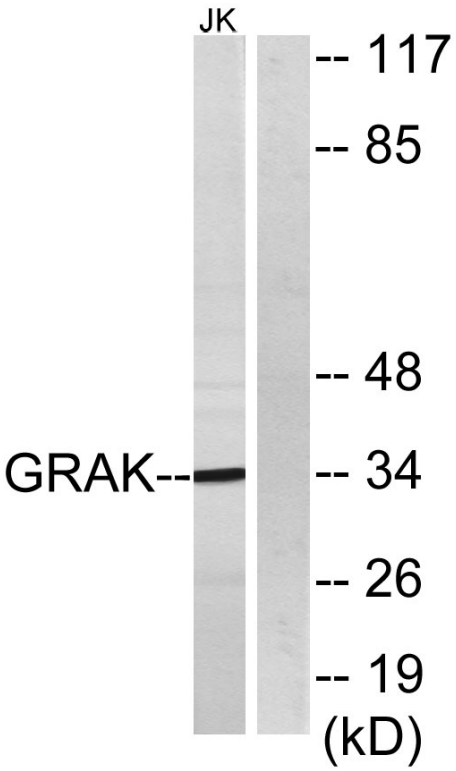

Western Blot analysis of various cells using Granzyme K Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of NIH/3T3 cells, using GRAK Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using GRAK Antibody. The picture on the right is blocked with the synthesized peptide.




Western blot analysis of lysates from Jurkat cells, using GRAK Antibody. The lane on the right is blocked with the synthesized peptide.