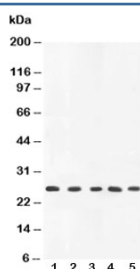


## TNF $\alpha$ Antibody (R31443)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R31443      | 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> | Rat                                                            |
| <b>Format</b>             | Antigen affinity purified                                      |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                     |
| <b>Isotype</b>            | Rabbit IgG                                                     |
| <b>Purity</b>             | Antigen affinity                                               |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                      |
| <b>UniProt</b>            | P16599                                                         |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                                      |
| <b>Limitations</b>        | This TNF $\alpha$ antibody is available for research use only. |



Western blot testing of TNF $\alpha$  antibody and rat samples: 1. PC-12, 2. spleen, 3. brain, 4. kidney, 5. liver lysate. Predicted/observed molecular weight: ~26 kDa.

## Description

This antibody is specific for a 17-26KD protein which is identified as the cytokine Tumor Necrosis Factor alpha. It is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. Other actions of TNF $\alpha$  include stimulating growth of human fibroblasts and other cell lines, activating polymorphonuclear neutrophils and osteoclasts, and induction of interleukin 1, prostaglandin E2 and collagenase production.

## Application Notes

Titration of the TNF $\alpha$  antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Rat partial recombinant protein (AA 89-235) was used as the immunogen for this TNFa antibody.

## Storage

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