



# Abazyme, LLC

## Anthrax LF, Polyclonal Antibody

Catalog No. ANT-182

**Type:**

Polyclonal Antibody

**Background:**

Anthrax PA (Protective Antigen) and Anthrax LF (Lethal Factor), along with Anthrax EF (Edema Factor), are toxins produced by *Bacillus anthracis*. All three of the proteins must be present for toxicity to occur. It begins with the binding of PA to its cell-surface receptor, ATR (Anthrax Toxin Receptor), at which point PA is cleaved and the resulting 63 kD carboxyl-terminal fragment binds to LF and EF. LF is a protease that is known to cleave members of the mitogen-activated protein kinase kinase (MAPKK) family.

**Contents:**

100 µg in 200µl PBS containing 0.2% gelatin and 0.05% sodium azide.

**Isotype:**

Rabbit Ig

**Antigen:**

The antibody was developed by immunizing rabbits with synthetic peptides corresponding to amino acids 47-65 of the Anthrax LF protein (~90 kD).

**Applications:**

This polyclonal antibody can be used for detection of Anthrax LF protein in western blot.

Not tested in other applications.

**Storage:**

Store at 4°C, stable for 6 months. For long-term storage, store at -20°C.

Western blot analysis of Anthrax LF in recombinant protein at 1:1000 dilution.

Lane A shows the pre-bleed

**Usage:**

This product is furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as a drug, agricultural or pesticidal product, food additive or household chemical.

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