BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-PIBF1 Antibody

**Catalog Number:** A04518

## About PIBF1

PIBF1 is synthesized during pregnancy in response to progesterone by T lymphocytes. PIBF1 inhibits arachidonic acid release, controls NK activity, and modifies the cytokine balance exerting an anti-abortive effect. It contains a leucine zipper motif, a basic zipper sequence, a PEST sequence, a nuclear localization signal, an ER membrane retention signal and N-glycosylation and phosphorylation sites. PIBF1 is significantly higher in healthy pregnant women than in women at risk for premature pregnancy termination. Full-length PIBF1 is associated with the nucleus and functions as a transcription factor, whereas secretion of shorter forms which may act as cytokines is induced by activation of the cell.

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## Overview

| | |
|---|---|
| Product Name | Anti-PIBF1 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-PIBF1 Antibody (Catalog # A04518). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, IF, IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | PIBF1 Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | PIBF1 antibody can be stored at 4°C, stable for up to one year. |
| Host | Rabbit |
| Uniprot ID | Q8WXW3 |

## Technical Details

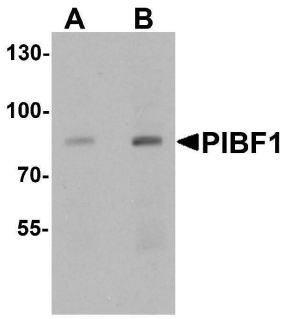
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|---|---|
| Immunogen | Rabbit polyclonal PIBF1 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human PIBF1. The immunogen is located within amino acids 610 - 660 of PIBF1. |
| Predicted Reactive Species | Bovine, Guinea Pig, Rabbit |
| Cross Reactivity | Multiple isoforms of PIBF1 exists as a result of alternative splicing event. |

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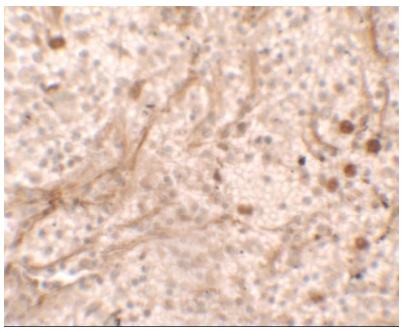
| | |
|---|---|
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | PIBF1 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | PIBF1 antibody can be used for detection of PIBF1 by Western blot at 1 - 2 ug/mL.<br>Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |

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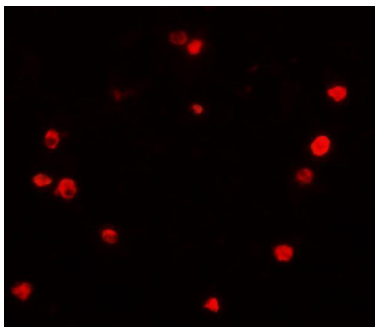
# Anti-PIBF1 Antibody (A04518) Images




Western blot analysis of PIBF1 in human placenta tissue lysate with PIBF1 antibody at (A) 1 and (B) 2 ug/mL



Immunohistochemistry of PBIF in human spleen tissue with PBIF antibody at 5 ug/ml.



Immunofluorescence of PBIF in human spleen tissue with PBIF antibody at 20 ug/ml.

Anti-PIBF1 Antibody

For Research Use Only. Not for use in diagnostic procedures.