

## Anti-ARFRP1 Antibody

Catalog Number: A08327-1

### About ARFRP1

ARFRP1, or ADP-ribosylation factor-related protein 1, is a small GTPase that is significantly similar to the ARF family of proteins. It plays a crucial role in intracellular membrane trafficking, particularly in post-Golgi membrane trafficking processes. ARFRP1 is primarily associated with the trans-Golgi compartment and the trans-Golgi network (TGN), where it functions as an essential regulatory factor for the targeting of Arl1 and GRIP domain-containing proteins, such as golgin-97 and golgin-245, onto Golgi membranes. Furthermore, ARFRP1 works in concert with Arl1 and GRIP proteins to facilitate the transport of the vesicular stomatitis virus G protein from the Golgi to the plasma membrane, as well as the retrograde transport of TGN38 and Shiga toxin from endosomes back to the TGN. This protein is also known to function upstream of ARL1 and ARL5, coordinating the recruitment of distinct tethering factors, golgins, and GARP, to the TGN. This mechanism is essential for the delivery of retrograde cargos to the TGN, making ARFRP1 a master regulator of retrograde-carrier tethering to the TGN.

### Overview

Product Name	Anti-ARFRP1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-ARFRP1 Antibody catalog # A08327-1. Tested in WB, IHC, ELISA applications. This antibody reacts with Human.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q13795

### Technical Details

Immunogen	E.coli-derived human ARFRP1 recombinant protein (Position: T3-R198).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-400  
ELISA, 1:100-1000

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**Anti-ARFRP1 Antibody**

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