

GGA3 PBD Agarose Beads Accessory Reagent

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CATALOG #
AAA44573

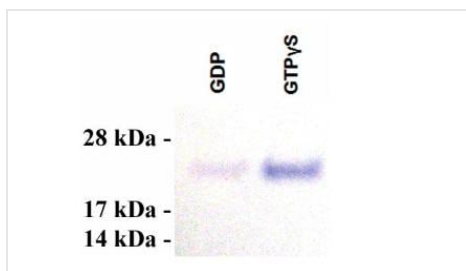
PRODUCT SYNONYMS

GGA3 PBD Agarose Beads; GGA3 PBD Agarose Beads accessory reagent

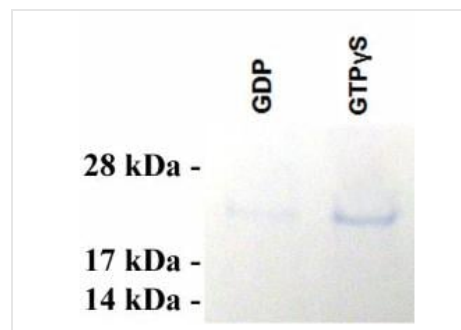
PRODUCT SPECIFICATIONS

Activity	Product specifically interacts and precipitates GTP-bound Arf from cell lysate (Figure 2).
Quantity	800 uL of 50% Agarose slurry, 400 ug human GGA3-PBD (amino acid 1-316) in 1X PBS, 50% Glycerol
Preparation and Storage	-20 degree C. Shelf Life: 1 year from receipt under proper storage conditions; avoid multiple freeze thaw cycles

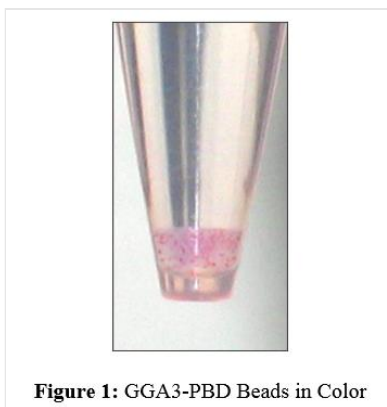
IMAGES



Application Data



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for GGA3 PBD Agarose Beads accessory reagent	• Pull down the active form of Arf • Colored for easy visualization Small GTP-binding proteins (or GTPases) are a family of proteins that serve as molecular regulators in signaling transduction pathways. Arf, a 20 kDa protein of the Ras superfamily, regulates a variety of biological response pathways that include vesicle trafficking, organelle structure, and endocytosis. Like other small GTPases, Arf regulates molecular events by cycling between an inactive GDP-bound form and an active GTP-bound form. In their active (GTP bound) state, Arf1 and Arf6 bind specifically to the protein-binding domain (PBD) of GGA3 to control downstream signaling cascades.
Product Categories/Family for GGA3 PBD Agarose Beads accessory reagent	Cell Signaling and Protein Biology; G Protein Signaling/Small GTPase Assays and Vectors; Small GTPase Research Tools; Small GTPase Assay Beads
References	1. Moss J., Vaughan M. (1998) J. Biol. Chem. 273:21431-21434. 2. Moss J., Vaughan M. (1995) J. Biol. Chem. 270:12327-12330. 3. Kahn R. A., Gilman A. G. (1986) J. Biol. Chem. 261:7906-7911. 4. Rothman J. E. (1994) Nature 372:55-63. 5. Donaldson J. G., Jackson C. L. (2000) Curr. Opin. Cell Biol. 12:475-482. 6. Donaldson J. G., Klausner R. D. (1994) Curr. Opin. Cell Biol. 6:527-532. 7. Dell'Angelica EC, Puertollano R, Mullins C, et al. (2000) J Cell Biol. 149: 81-94. 8. Takatsu H, Yoshino K, Toda K, Nakayama K. (2002) Biochem J. 365: 369-378. Davis, C. T. et al. (2014). ARF6 Inhibition Stabilizes the Vasculature and Enhances Survival during Endotoxic Shock. J Immunol. 192:6045-6052.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.