

DATASHEET

GPBP Rabbit Polyclonal Antibody

CAT. NO. APA15347

KEY FEATURES

Target	GPBP	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Shelters ceramides inside its steroidogenic acute regulatory lipid transfer (START) domain and mediates their intracellular trafficking in a non-vesicular manner from the endoplasmic reticulum to the Golgi apparatus for conversion to sphingomyelin domain and mediates their intracellular trafficking in a non-vesicular manner from the endoplasmic reticulum to the Golgi apparatus for conversion to sphingomyelin . Efficiently transfers ceramide molecules having long-chain fatty chains, but not those with very long acyl chains . Capable of transferring diacylglycerol, although with very low efficiency .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to GPBP
Specificity	Recognizes endogenous levels of GPBP protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human GPBP. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 68; Observed: 73 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CERT; STARD11; Collagen type IV alpha-3-binding protein; Ceramide transfer protein; hCERT; Goodpasture antigen-binding protein; GPBP; START domain-containing protein 11; StARD11; STAR-related lipid transfer protein 11
Gene Symbol	COL4A3BP
Entrez Gene	10087(Human); 68018(Mouse)
SwissProt	Q9Y5P4(Human); Q9EQG9(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

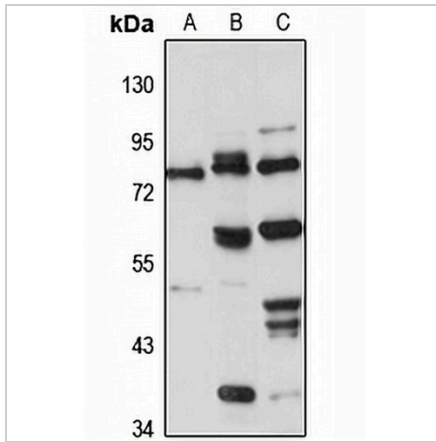
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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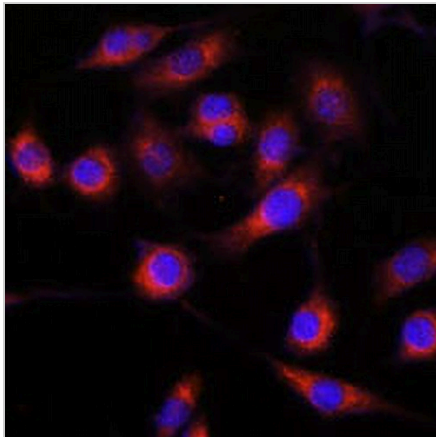
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Western blot analysis of GPBP expression in HeLa (A), mouse brain (B), mouse heart (C) whole cell lysates. (Predicted band size: 68; 70; 83 kD; Observed band size: 73 kD)



Immunofluorescent analysis of GPBP staining in L929 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.