

**DATASHEET**

**TIP47 Mouse Monoclonal Antibody(C3532)**

CAT. NO. AMA03144

**KEY FEATURES**

Target	TIP47	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2a kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Structural component of lipid droplets, which is required for the formation and maintenance of lipid storage droplets . Required for the transport of mannose 6-phosphate receptors (MPR) from endosomes to the trans-Golgi network .

**APPLICATION**

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

WB	1:500 - 1:1000
IF/ICC	1:10 - 1:50

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

**PRODUCT OVERVIEW**

Description	Mouse monoclonal antibody to TIP47
Specificity	Recognizes endogenous levels of TIP47 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human TIP47. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 47 kD; Observed: 47 kD
Form/Buffer	Mouse IgG2a kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	M6PRBP1; TIP47; Perilipin-3; 47 kDa mannose 6-phosphate receptor-binding protein; 47 kDa MPR-binding protein; Cargo selection protein TIP47; Mannose-6-phosphate receptor-binding protein 1; Placental protein 17; PP17
Gene Symbol	PLIN3
Entrez Gene	10226(Human)
SwissProt	O60664(Human)

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

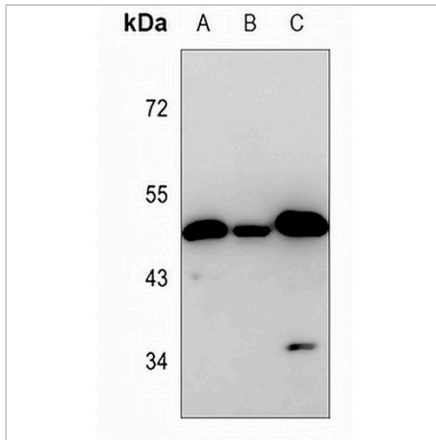
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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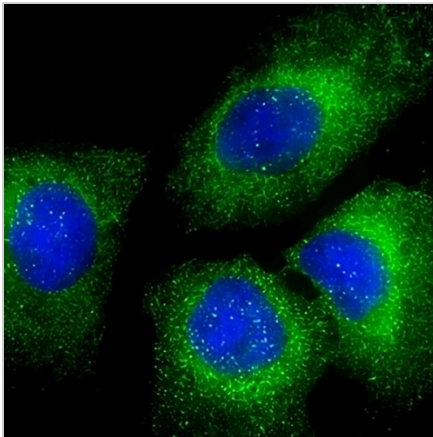
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**DATA**



Western blot analysis of TIP47 expression in HeLa (A), K562 (B), Daudi (C) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 47 kD)



Immunofluorescent analysis of TIP47 staining in U2OS 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 488 -conjugated secondary antibody (green) 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.