

**DATASHEET**

**LAMTOR5 Rabbit Polyclonal Antibody**

CAT. NO. APA14235

**KEY FEATURES**

Target	LAMTOR5	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	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**

As part of the Ragulator complex it is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids . Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Ragulator plays a dual role for the small GTPases Rag (RagA/RRAGA, RagB/RRAGB, RagC/RRAGC and/or RagD/RRAGD): it (1) acts as a guanine nucleotide exchange factor (GEF), activating the small GTPases Rag and (2) mediates recruitment of Rag GTPases to the lysosome membrane . Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated .

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

**PRODUCT OVERVIEW**

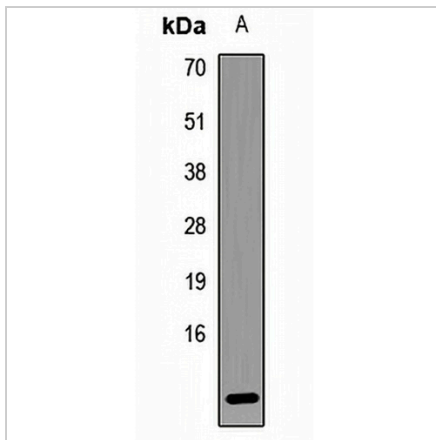
Description	Rabbit polyclonal antibody to LAMTOR5
Specificity	Recognizes endogenous levels of LAMTOR5 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human LAMTOR5
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 9 kD; Observed: 10 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	HBXIP; XIP; Ragulator complex protein LAMTOR5; Hepatitis B virus X-interacting protein; HBV X-interacting protein; HBX-interacting protein; Late endosomal/lysosomal adaptor and MAPK and MTOR activator 5
Gene Symbol	LAMTOR5
Entrez Gene	10542(Human); 68576(Mouse)
SwissProt	O43504(Human); Q9D1L9(Mouse)

\*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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**DATA**

Western blot analysis of LAMTOR5 expression in MCF7 (A) whole cell lysates. (Predicted band size: 9 kD; Observed band size: 10 kD)

**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.