

**DATASHEET**

**MSP58 Rabbit Polyclonal Antibody**

CAT. NO. APA16117

**KEY FEATURES**

Target	MSP58	Source / Host	Rabbit
Reactivity	Human, Mouse	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**

Modulates the transcription repressor activity of DAXX by recruiting it to the nucleolus . As part of the NSL complex, may be involved in acetylation of nucleosomal histone H4 on several lysine residues . Putative regulatory component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. May also be an inhibitor of TERT telomerase activity . Binds to G-quadruplex structures in mRNA . Binds to RNA homomer poly(G) and poly(U) . Maintains RHEB at the lysosome in its active GTP-bound form and prevents its interaction with the mTORC1 complex inhibitor TSC2, ensuring activation of the mTORC1 complex by RHEB .

**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**

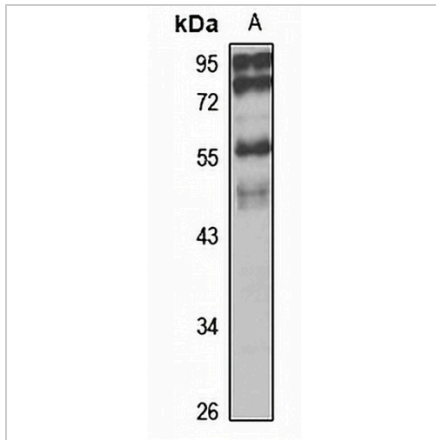
Description	Rabbit polyclonal antibody to MSP58
Specificity	Recognizes endogenous levels of MSP58 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human MSP58. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 31; Observed: 55 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	INO80Q; MSP58; Microspherule protein 1; 58 kDa microspherule protein; Cell cycle-regulated factor p78; INO80 complex subunit J; MCRS2
Gene Symbol	MCRS1
Entrez Gene	10445(Human); 51812(Mouse)
SwissProt	Q96EZ8(Human); Q99L90(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 MSP58 expression in MCF7 (A) whole cell lysates. (Predicted band size: 31; 50; 51; 53 kD; Observed band size: 55 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.