

DATASHEET

VARs Rabbit Polyclonal Antibody

CAT. NO. APA14353

KEY FEATURES

Target	VARs	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, 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

Catalyzes the attachment of valine to tRNA(Val).

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
IHC	1:50 - 1:200
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 VARs
Specificity	Recognizes endogenous levels of VARs protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human VARs
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 33; Observed: 140 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	G7A; VARs2; Valine--tRNA ligase; Protein G7a; Valyl-tRNA synthetase; ValRS
Gene Symbol	VARs
Entrez Gene	7407(Human); 22321(Mouse); 25009(Rat)
SwissProt	P26640(Human); Q9Z1Q9(Mouse); Q04462(Rat)

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

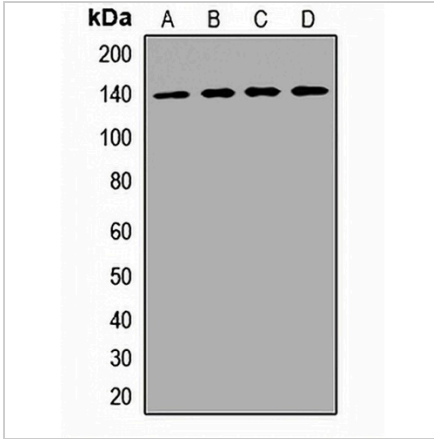
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

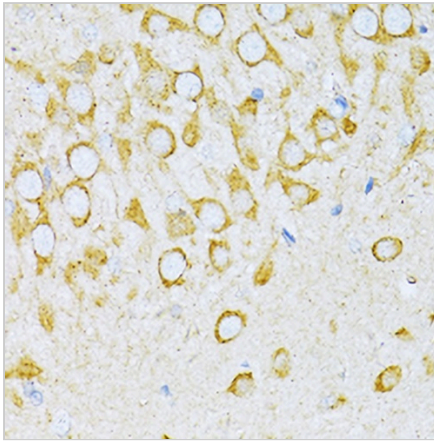
VARS Rabbit Polyclonal Antibody

CAT. NO. APA14353

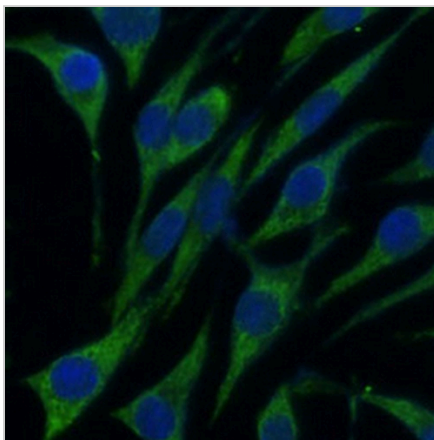
DATA



Western blot analysis of VARS expression in HepG2 (A), K562 (B), mouse liver (C), rat liver (D) whole cell lysates. (Predicted band size: 33; 140 kD; Observed band size: 140 kD)



Immunohistochemical analysis of VARS staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of VARS 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 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.