DATASHEET

STEAP1 Rabbit Monoclonal Antibody(ARA527)

CAT. NO. ARA5859

KEY FEATURES

Target:	STEAP1	**Clone ID:**	ARA527
Source/Host:	Rabbit	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Storage:	at-20°C		

BACKGROUND

This gene is predominantly expressed in prostate tissue, and is found to be upregulated in multiple cancer cell lines. The gene product is predicted to be a six-transmembrane protein, and was shown to be a cell surface antigen significantly expressed at cell-cell junctions. STEAP1 does not function as a metalloreductase due to the absence of binding sites for the electron-donating substrate NADPH; it promotes Fe3+ reduction when fused to the NADPH-binding domain of STEAP4.

APPLICATION

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

IHC	1:500-1:2000

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

OVERVIEW

Description	Recombinant rabbit monoclonal antibody to human STEAP1
Specificity	This antibody cross-reacts with STEAP1B2.
Antibody Type	Primary antibody,Recombinant
Immunogen	Recombinant protein within human STEAP1 aa 1-339.
Purification	Protein A affinity purified.
Molecular Weight	Predicted: 40 kD; Observed: 35 kD
Isotype	IgG
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Alternative Names	STEAP; PRSS24; Metalloreductase STEAP1; Six-transmembrane epithelial antigen of prostate 1
Gene Symbol	STEAP1
Entrez Gene	26872(Human)
SwissProt	Q9UHE8(Human)

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

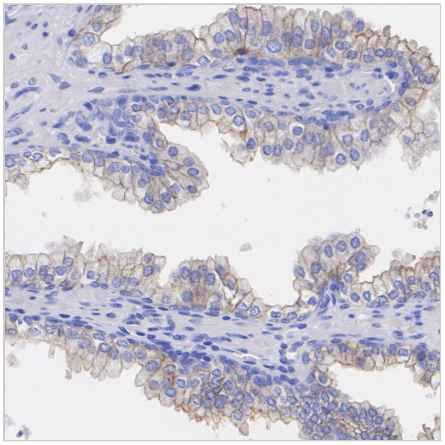
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

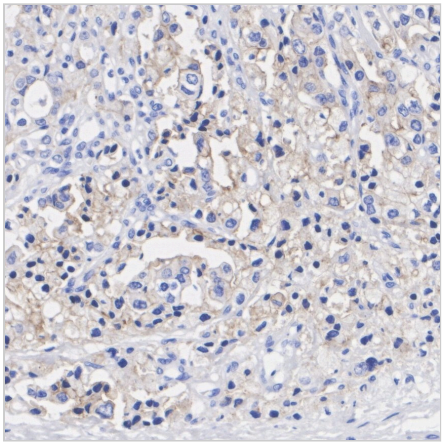
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Immunohistochemical analysis of paraffin-embedded human prostate tissue with STEAP1 Rabbit Monoclonal Antibody(ARA527) at 1:2000 dilution. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0); detection with HRP conjugated compact polymer system, DAB chromogen; counterstained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human prostate carcinoma tissue with STEAP1 Rabbit Monoclonal Antibody(ARA527) at 1:2000 dilution. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0); detection with HRP conjugated compact polymer system, DAB chromogen; counterstained with hematoxylin.

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.

More information: www.arexbio.com