DATASHEET

TRBC1 Mouse Monoclonal Antibody(ARA662)

CAT. NO. ARA6380

KEY FEATURES

Target:	TRBC1	**Clone ID:**	ARA662
Source/Host:	Mouse	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Conjugation:	Unconjugated	**Storage:**	at-20°C

BACKGROUND

Constant region of T cell receptor (TR) beta chain beta chain . Alpha-beta T cell receptors are antigen specific receptors which are essential to the immune response and are present on the cell surface of T lymphocytes. Recognize peptide-major histocompatibility (MH) (pMH) complexes that are displayed by antigen presenting cells (APC), a prerequisite for efficient T cell adaptive immunity against pathogens . Binding of alpha-beta TR to pMH complex initiates TR-CD3 clustering on the cell surface and intracellular activation of LCK that phosphorylates the ITAM motifs of CD3G, CD3D, CD3E and CD247 enabling the recruitment of ZAP70. In turn, ZAP70 phosphorylates LAT, which recruits numerous signaling molecules to form the LAT signalosome.

APPLICATION

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

IHC	1:100-1:500

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

OVERVIEW

Description	Mouse monoclonal to TRBC1
Specificity	Recognizes endogenous levels of TRBC1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human TRBC1 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 20 kD; Observed: 40 kD
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Alternative Names	T-cell receptor beta-1 chain C region
Gene Symbol	TRBC1
Entrez Gene	28639(Human)
SwissProt	P01850(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.

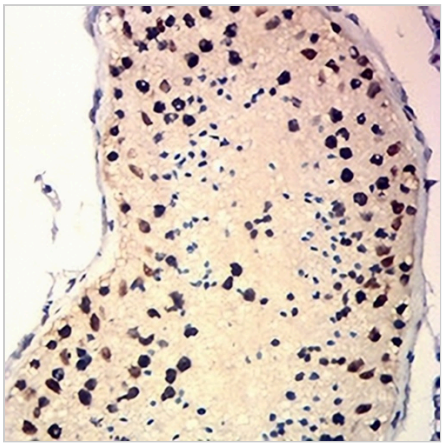
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

TRBC1 Mouse Monoclonal Antibody(ARA662)

CAT. NO. ARA6380

DATA



Immunohistochemical analysis of TRBC1 staining in human testis 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.

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