

Datasheet for ABIN2790523
anti-MICU1 antibody (C-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	MICU1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Horse, Zebrafish (Danio rerio), Dog, Goat, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MICU1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human MICU1
Sequence:	LSDHVCDVVF ALFDCDGNGE LSNKEFVSIM KQRLMRGLEK PKDMGFTRLM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against MICU1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MICU1
Alternative Name:	MICU1 (MICU1 Products)

Target Details

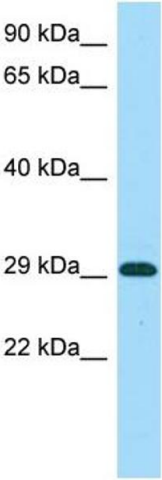
Background:	MICU1 is a key regulator of mitochondrial calcium uptake required for calcium entry into mitochondrion. It may act as a calcium sensor via its EF-hand domains, gating the activity of a calcium channel partner. MICU1 induces T-helper 1-mediated autoreactivity, which is accompanied by the release of IFNG. Alias Symbols: CALC, DKFZp564C246, EFHA3, FLJ12684, CBARA1 Protein Interaction Partner: UBC, APP, BABAM1, Protein Size: 278
Molecular Weight:	30 kDa
Gene ID:	10367
NCBI Accession:	NM_001195519 , NP_001182448
UniProt:	Q9BPX6

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 278 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-MICU1 Antibody Titration: 1.0 ug/ml Positive Control: MCF7 Whole Cell MICU1 is supported by BioGPS gene expression data to be expressed in MCF7