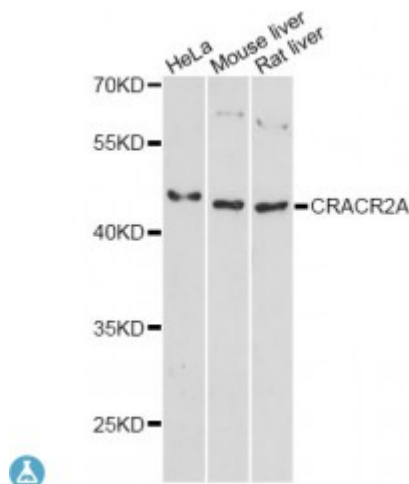


Anti-CRACR2A Antibody



Model	STJ115780
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human CRACR2A (NP_001138430.1).
Gene ID	84766
Gene Symbol	CRACR2A
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	EF-hand calcium-binding domain-containing protein 4B Calcium release-activated calcium channel regulator 2A CRAC channel regulator 2A Calcium release-activated channel regulator 2A
Molecular Weight	45.592 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:28657 OMIM:614178 Reactome:R-HSA-6798695

Alternative Names	EF-hand calcium-binding domain-containing protein 4B Calcium release-activated calcium channel regulator 2A CRAC channel regulator 2A Calcium release-activated channel regulator 2A
Function	Ca(2+)-binding protein that plays a key role in store-operated Ca(2+) entry (SOCE) in T-cells by regulating CRAC channel activation, Acts as a cytoplasmic calcium-sensor that facilitates the clustering of ORAI1 and STIM1 at the junctional regions between the plasma membrane and the endoplasmic reticulum upon low Ca(2+) concentration, It thereby regulates CRAC channel activation, including translocation and clustering of ORAI1 and STIM1, Upon increase of cytoplasmic Ca(2+) resulting from opening of CRAC channels, dissociates from ORAI1 and STIM1, thereby destabilizing the ORAI1-STIM1 complex,
Cellular Localization	Cytoplasm

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