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Product datasheet for TA320057

EFCAB4B (CRACR2A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	EFCAB4B antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human EFCAB4B.
Formulation:	EFCAB4B Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	EFCAB4B Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	calcium release activated channel regulator 2A
Database Link:	NP_001138430 Entrez Gene 84766 Human Q9BSW2
Background:	EFCAB4B Antibody: EFCAB4B, also known as Calcium release-activated calcium channel regulator 2A, is a novel Ca2+-binding EF-hand protein that is thought to play a key role in store-operated Ca2+ entry in T-cells by regulating CRAC channel activation. EFCAB4B acts as a cytoplasmic calcium-sensor that forms a complex with ORAI1 and STIM1 at the junctional regions between the plasma membrane and the endoplasmic reticulum upon low Ca2+ concentration. A closely related protein, EFCAB4A, is likely to play a similar role as EFCAB4B, but the detailed function of EFCAB4A is still under investigation.
Synonyms:	EFCAB4B

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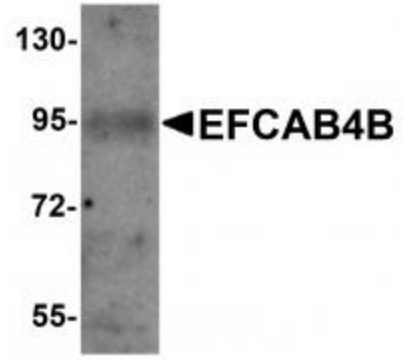
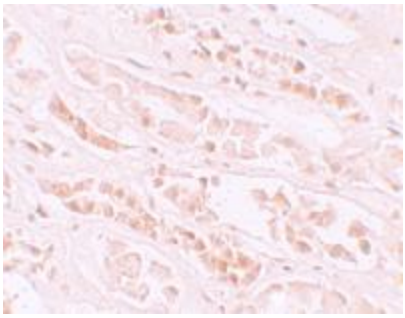
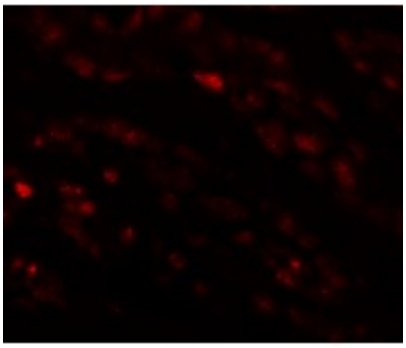
Product images:



Western blot analysis of EFCAB4B in mouse kidney tissue lysate with EFCAB4B antibody at 1 ug/mL.



Immunohistochemistry of EFCAB4B in human kidney tissue with EFCAB4B antibody at 10 ug/mL.



Immunofluorescence of EFCAB4B in human kidney tissue with EFCAB4B antibody at 20 ug/mL.