EFCAB4B Antibody (N-term)

Catalog_no：	AB1712
Applications：	WB
Reactivity：	H
Category：	抗原抗体
Size：	100μL/50μL
Immunogen：	HUMAN:48-74
Specificity：	This EFCAB4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-74 amino acids from the N-terminal region of human EFCAB4B.
Dilution：	WB,1:1000;
Purification：	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_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, CRACR2A, EFCAB4B
Isotype：	Rabbit Ig
Background：	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.
reference：	Chalasani, N., et al. Gastroenterology 139(5):1567-1576(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Srikanth, S., et al. Nat. Cell Biol. 12(5):436-446(2010) Aston, K.I., et al. J. Androl. 30(6):711-725(2009) Lim, J., et al. Cell 125