antibodies - online.com





STIM1 Protein (Myc-DYKDDDDK Tag)



Image



Overview		
Quantity:	20 μg	
Target:	STIM1	
Origin:	Human	
Source:	HEK-293 Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This STIM1 protein is labelled with Myc-DYKDDDDK Tag.	
Application:	Antibody Production (AbP), Standard (STD)	
Product Details		
Characteristics:	 Recombinant human STIM1 / GOK protein expressed in HEK293 cells. Produced with end-sequenced ORF clone 	
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining	
Target Details		
Target:	STIM1	
Alternative Name:	Stim1,gok (STIM1 Products)	
Background:	This gene encodes a type 1 transmembrane protein that mediates Ca2+ influx after depletion of	
	intracellular Ca2+ stores by gating of store-operated Ca2+ influx channels (SOCs). It is one of	
	several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor	
	gene region. Alterations in this region have been associated with the Beckwith-Wiedemann	
	syndrome, Wilms tumor, rhabdomyosarcoma, adrenocrotical carcinoma, and lung, ovarian, and	

breast cancer. This gene may play a role in malignancies and disease that involve this region,
as well as early hematopoiesis, by mediating attachment to stromal cells. Mutations in this
gene are associated with fatal classic Kaposi sarcoma, immunodeficiency due to defects in
store-operated calcium entry (SOCE) in fibroblasts, ectodermal dysplasia and tubular aggregate
myopathy. This gene is oriented in a head-to-tail configuration with the ribonucleotide
reductase 1 gene (RRM1), with the 3' end of this gene situated 1.6 kb from the 5'
end of the RRM1 gene. Alternative splicing of this gene results in multiple transcript variants.

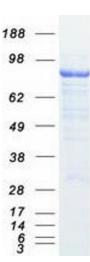
Molecular Weight:	74.8 kDa
NCBI Accession:	NP_003147
Pathways:	TCR Signaling, BCR Signaling

Application Details

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot