

STIM1 antibody

Product Information

Catalog No.:	FNab08320
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

STIM1, also named as GOK, is an ER Ca²⁺ sensor. Upon Ca²⁺ store depletion, STIM1 clusters at ER-plasma membrane junctions where it interacts with and gates Ca²⁺-permeable Orai1 ion channels. STIM1 is implicated in tumor growth suppression and stromal-haematopoietic cell interactions. Defects in STIM1 gene can cause immune dysfunction with impaired T-cell activation. STIM1 can inhibit L-type voltage-gated Ca(2+) channels in neurons. Temperature is an important regulator of STIM1 function. The MW of STIM1 is about 80-90 kDa which may be due to the phosphorylation or glycosylation forms. This antibody is rabbit polyclonal antibody raised against the N-terminal of human STIM1.

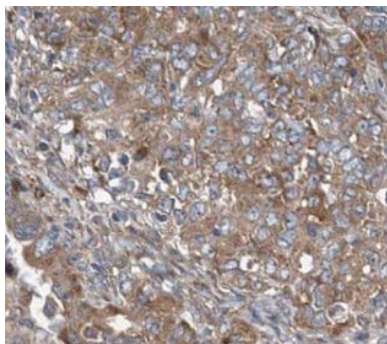
Immunogen information

Immunogen:	stromal interaction molecule 1
Synonyms:	Stromal interaction molecule 1 STIM1 GOK
Observed MW:	80 kDa
Uniprot ID :	Q13586

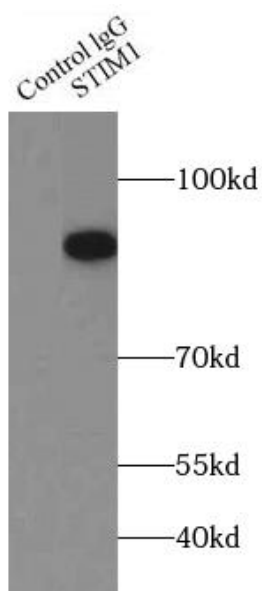
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IP, IHC, IF, FC
Recommended dilution:	WB: 1:500-1:1000; IP: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100

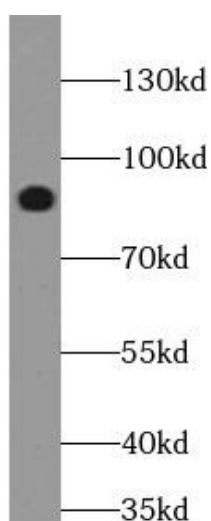
Image:



Immunohistochemistry of paraffin-embedded human ovary tumor using FNab08320(STIM1 antibody) at dilution of 1:50



IP Result of anti-STIM1 (IP: FNab08320, 3ug; Detection: FNab08320 1:1000) with Raji cells lysate 4000ug.



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab08320(STIM1 antibody) at dilution of 1:300