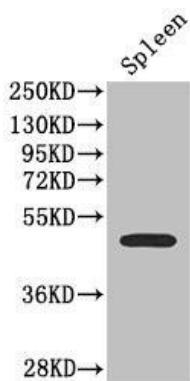


SSTR2 Antibody

Product Code:	CAC07627
Abbreviation:	Somatostatin receptor type 2
Storage:	Upon receipt, store at -20° C or -80° C. Avoid repeated freeze.
Uniprot NO.:	P30874
Immunogen:	Recombinant human Somatostatin receptor type 2 protein (304-369AA)
Raised In:	Rabbit
Species Reactivity:	Human,Mouse
Tested Applications:	ELISA,WB,IHC,IF;Recommended dilution:WB:1:1000-1:5000,IHC:1:20-1:200,IF:1:50-1:200
Relevance:	Receptor for somatostatin-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. Inhibits calcium entry by suppressing voltage-dependent calcium channels. Acts as the functionally dominant somatostatin receptor in pancreatic alpha- and beta-cells where it mediates the inhibitory effect of somatostatin-14 on hormone secretion. Inhibits cell growth through enhancement of MAPK1 and MAPK2 phosphorylation and subsequent up-regulation of CDKN1B. Stimulates neuronal migration and axon outgrowth and may participate in neuron development and maturation during braindevelopment. Mediates negative regulation of insulin receptor signaling through PTPN6. Inactivates SSTR3 receptor function following heterodimerization.
Form:	Liquid
Conjugate:	Non-conjugated
Storage Buffer:	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method:	>95%,Protein G purified
Isotype:	IgG
Clonality:	Polyclonal
Alias:	Somatostatin receptor type 2SS-2-RSS2-RSS2R,SRIF-1,SSTR2
Species:	Human
Image:	

Western Blot

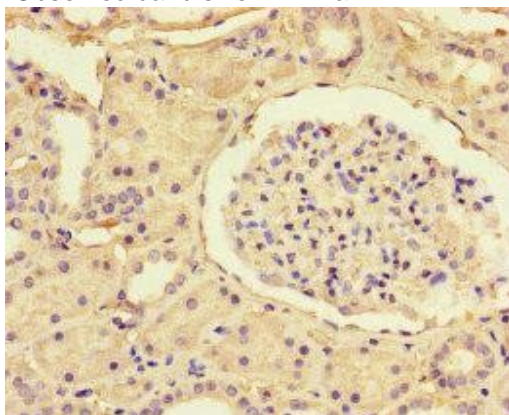
Positive WB detected in:mouse spleen tissue

All lanes: SSTR2 antibody at 2.7ug/ml

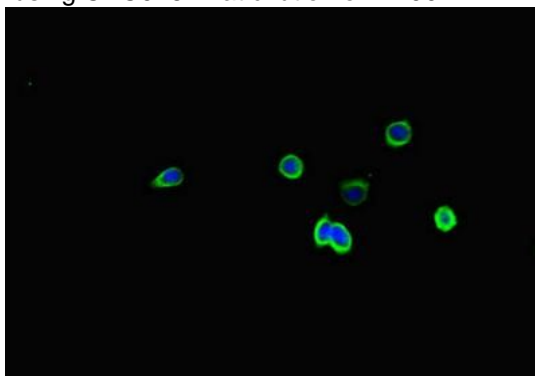
Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

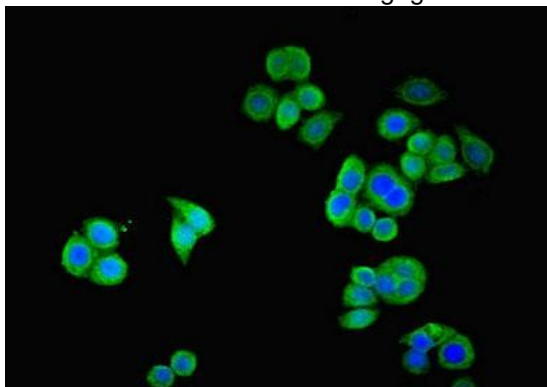
Predicted band size: 42,41 kDa
Observed band size: 41 kDa



Immunohistochemistry of paraffin-embedded human kidney tissue
using CAC07627 at dilution of 1:100



Immunofluorescent analysis of HepG2 cells using CAC07627 at a dilution of
1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunofluorescent analysis of PC3 cells cells using CAC07627 at a dilution of
1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)