

ARG40314 anti-SIK3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Chicken Polyclonal antibody recognizes SIK3
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms
Tested Application	ICC/IF, WB
Specificity	At least three isoforms of SIK3 are known to exist. This antibody will detect two isoforms. This SIK3 antibody is predicted to not cross-react with SIK1 and SIK2.
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Target Name	SIK3
Species	Human
Immunogen	An 18 amino acid synthetic peptide within aa. 1190 - 1240 of Human SIK3.
Conjugation	Un-conjugated
Alternate Names	SIK-3; L19; QSK; Serine/threonine-protein kinase SIK3; Salt-inducible kinase 3; Serine/threonine-protein kinase QSK; EC 2.7.11.1

Application Instructions

Application table	Application	Dilution
	ICC/IF	20 µg/ml
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat brain	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

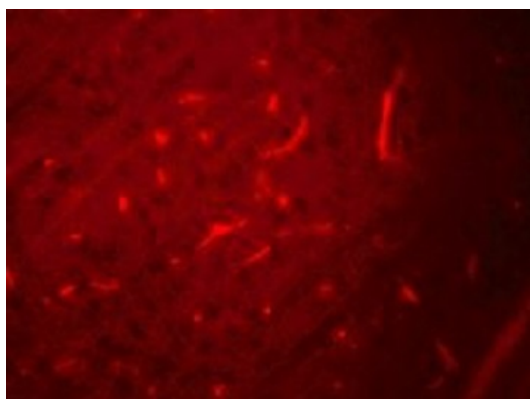
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

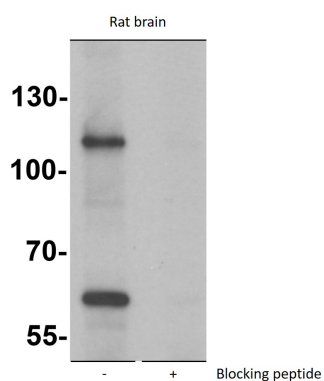
Gene Symbol	SIK3
Gene Full Name	SIK family kinase 3
Function	Inhibits CREB activity by phosphorylating and inhibiting activity of TORCs, the CREB-specific coactivators, like CRTC2/TORC2 and CRTC3/TORC3 in response to cAMP signaling. [UniProt]
Calculated Mw	Isoform 1: 145 kDa Isoform 2: 70 kDa
PTM	Phosphorylated at Thr-163 by STK11/LKB1 in complex with STE20-related adapter-alpha (STRADA) pseudo kinase and CAB39. [UniProt]
Cellular Localization	Cytoplasm. Note=Locates to punctate structures within the cytoplasm on binding to YWHAZ. [UniProt]

Images



ARG40314 anti-SIK3 antibody ICC/IF image

Immunofluorescence: Rat brain cells stained with ARG40314 anti-SIK3 antibody at 20 µg/ml dilution.



ARG40314 anti-SIK3 antibody WB image

Western blot: Rat brain lysate stained with ARG40314 anti-SIK3 antibody at 1 µg/ml dilution in the absence (left) and the presence (right) of blocking peptide.