



Datasheet for ABIN530988
anti-SIK1 antibody (AA 1-100)



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3 Images

1 Publication

Overview

Quantity:	100 µg
Target:	SIK1
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SIK1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant SIK1.
Immunogen:	SIK1 (AAH38504.1, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MVIMSEFSAD PAGQGQGGQK PLRVGFYDIE RTLKGKNFAV VKLARHRVTK TQVAIKIIDK TRLDSSNLEK IYREVQLMKL LNHPHIIKLY QVMETKDMLY
Clone:	2C12
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	SIK1
Alternative Name:	SIK1 (SIK1 Products)
Background:	Full Gene Name: salt-inducible kinase 1 Synonyms: MSK,SIK,SNF1LK
Gene ID:	150094
Pathways:	Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Regulation of Carbohydrate Metabolic Process

Application Details

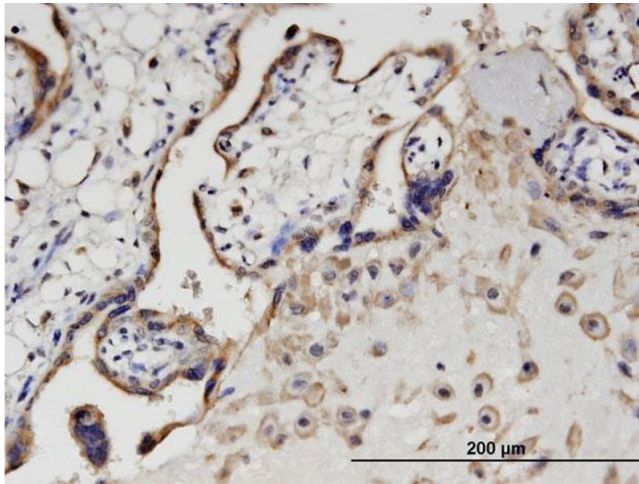
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

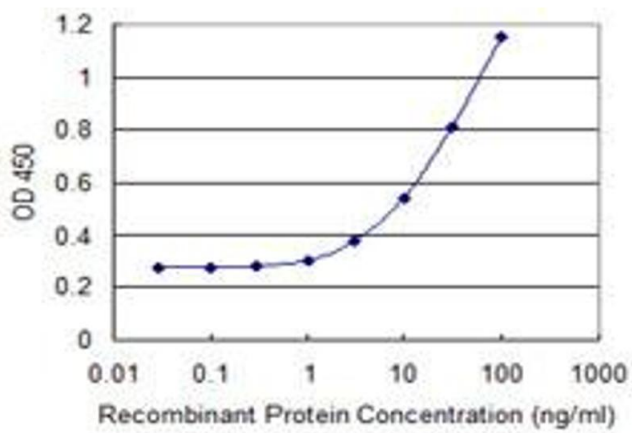
Publications

Product cited in:	Hansen, Snow, Tuttle, Ghoneim, Yang, Spencer, Gunter, Smyser, Gurnett, Shinawi, Dobyns, Wheless, Halterman, Jansen, Paschal, Paciorkowski: "De novo mutations in SIK1 cause a spectrum of developmental epilepsies." in: American journal of human genetics , Vol. 96, Issue 4, pp. 682-90, (2015) (PubMed).
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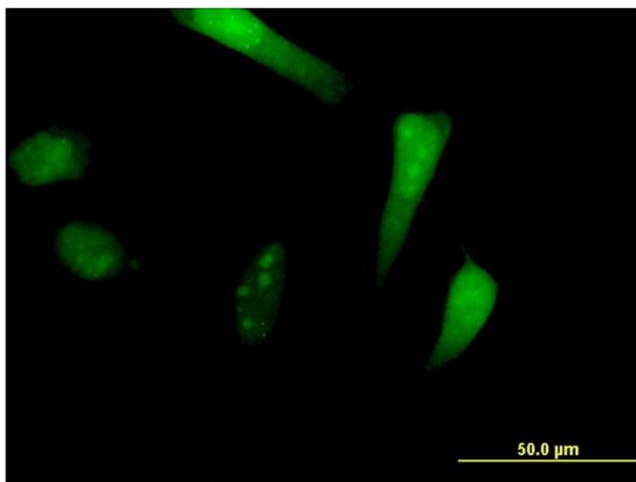
Immunostaining

Image 1. Immunoperoxidase of monoclonal antibody to SIK1 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



ELISA

Image 2. Detection limit for recombinant GST tagged SIK1 is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Image 3. Immunofluorescence of monoclonal antibody to SIK1 on HeLa cell. [antibody concentration 10 ug/ml]