

Datasheet for ABIN681808
anti-OXSR1 antibody (AA 201-300)



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Overview

Quantity:	100 µL
Target:	OXSR1
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OXSR1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OXSR1.
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	OXSR1
Alternative Name:	OXSR1 (OXSR1 Products)

Target Details

Background:	<p>Synonyms: KIAA1101, OSR 1, OSR1, Oxidative stress responsive 1, Oxidative stress responsive 1 protein, OXSR 1, Serine/threonine protein kinase OSR1.</p> <p>Background: OXSR1 is a serine/threonine kinase which regulates downstream kinases in response to environmental stress such as osmotic stresses, notably sorbitol and, to a lesser extent, NaCl. OXSR1 phosphorylated thr84 within the N-terminal regulatory domain of PAK1. Replacement of thr84 with gln reduced activation of PAK1 by an active form of the small G protein CDC42, suggesting that phosphorylation by OXSR1 modulates the G protein sensitivity of PAK. OXSR1 interacts with chloride channel proteins SLC12A6 isoform 2, SLC12A1 and SLC12A2 but not with SLC12A4 and SLC12A7, possibly establishing sensor/signaling modules that initiate the cellular response to environmental stress. Binds to and phosphorylates RELL1, RELL2 AND RELT. OXSR1 may have a role in regulating the actin cytoskeleton.</p>
Gene ID:	9943
Pathways:	Tube Formation

Application Details

Application Notes:	<p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date: 12 months