

Datasheet for ABIN681810

anti-OXSR1 antibody (AA 201-300) (Biotin)



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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 conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (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)
Background:	Synonyms: KIAA1101, OSR 1, OSR1, Oxidative stress responsive 1, Oxidative stress responsive

Target Details

1 protein, OXSR 1, Serine/threonine protein kinase OSR1.

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.

Gene ID: 9943

Pathways: [Tube Formation](#)

Application Details

Application Notes: IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months