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Datasheet for ABIN7453750
anti-OSR1 antibody (AA 375-425)

Overview

Quantity:	20 µg
Target:	OSR1
Binding Specificity:	AA 375-425
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OSR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-OSR1 Antibody, Affinity Purified
Immunogen:	between AA 375 and 425
Isotype:	IgG
Predicted Reactivity:	Mouse,Orangutan
Purification:	Affinity Purified

Target Details

Target:	OSR1
Alternative Name:	OSR1 (OSR1 Products)

Target Details

Background:	Background: Oxidative stress responsive 1 (OSR1) is a STE20-related kinase involved in ion transport and fluid and ion homeostasis. OSR1 interacts with SPAK (STE20/SPS1-related proline/alanine-rich kinase) and together are activated by the upstream kinase WNK1 [with no K (lysine) protein kinase-1]. Activation of OSR1 and SPAK by WNK1 results in the phosphorylation and activation of NKCC1 (Na ⁺ -K ⁺ -2Cl ⁻ co-transporter 1) for the control of cell volume and blood pressure.
Gene ID:	9943
NCBI Accession:	NP_005100
UniProt:	O95747
Pathways:	Tube Formation

Application Details

Application Notes:	IHC: 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. IP: 2 - 5 µg/mg lysate WB: 1:2,000 - 1:10,000
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	Tris-buffered Saline containing 0.1 % BSA and 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Expiry Date:	12 months