



[Go to Product page](#)

Datasheet for ABIN7454414
anti-OSR1 antibody (AA 325-375)

Overview

Quantity:	100 µg
Target:	OSR1
Binding Specificity:	AA 325-375
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OSR1 antibody is un-conjugated
Application:	Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-OSR1 Antibody, Affinity Purified
Immunogen:	between AA 325 and 375
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	OSR1
Alternative Name:	OSR1 (OSR1 Products)
Background:	Background: Oxidative stress responsive 1 (OSR1) is a STE20-related kinase involved in ion

Target Details

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: 1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

IP: 2 - 5 µg/mg lysate

WB: Not recommended. Use rabbit anti-OSR1 antibody A301-579A.

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 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