

Rabbit anti-Human OSR1 Polyclonal Antibody | anti-OSR1 antibody

Rabbit anti-OSR1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211540	Rabbit	Human	Immunohistochemistry, Immunoprecipitation

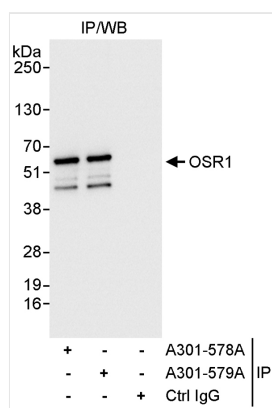
PRODUCT SYNONYMS

OSR1; Polyclonal Antibody; Rabbit anti-OSR1 Antibody; Affinity Purified; oxidative stress-responsive 1 protein; serine/threonine-protein kinase OSR1; Serine/threonine-protein kinase OSR1; oxidative stress responsive 1; anti-OSR1 antibody

PRODUCT SPECIFICATIONS

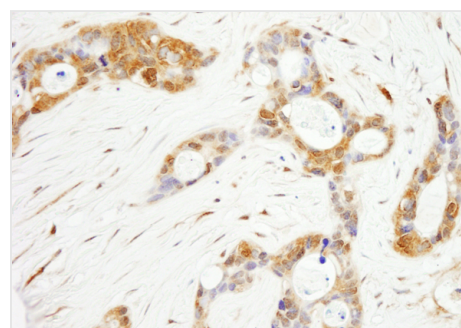
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-OSR1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen	Between 300 and 350
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



IP (Immunoprecipitation)

Detection of human OSR1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-OSR1 antibody AAA211540 used for IP at 3 ug/mg lysate. OSR1 was also immunoprecipitated by rabbit anti-OSR1 antibody which recognizes a downstream epitope. For blotting immunoprecipitated OSR1, was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



IHC (Immunohistochemistry)

Detection of human OSR1 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-OSR1 (Cat. No. AAA211540 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-OSR1 antibody	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.
Product Categories/Family for anti-OSR1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826878
NCBI GeneID	9943
NCBI Accession #	NP_005100.1
NCBI GenBank Nucleotide #	NM_005109.2
UniProt Accession #	O95747; Q3LR53; Q7Z501; Q9UPQ1
Molecular Weight	58,022 Da
NCBI Official Full Name	serine/threonine-protein kinase OSR1
NCBI Official Synonym Full Names	oxidative stress responsive 1
NCBI Official Symbol	OXSR1
NCBI Official Synonym Symbols	OSR1
NCBI Protein Information	serine/threonine-protein kinase OSR1; oxidative-stress responsive 1; oxidative stress-responsive 1 protein
UniProt Protein Name	Serine/threonine-protein kinase OSR1
UniProt Gene Name	OXSR1
UniProt Synonym Gene Names	KIAA1101; OSR1
UniProt Entry Name	OXSR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/osr1-antibody-immunohistochemistry-immunoprecipitation-elisa/211540>