OSR1 (Phospho-Thr185) Antibody

Catalog No: #11746

Package Size: #11746-1 50ul #11746-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

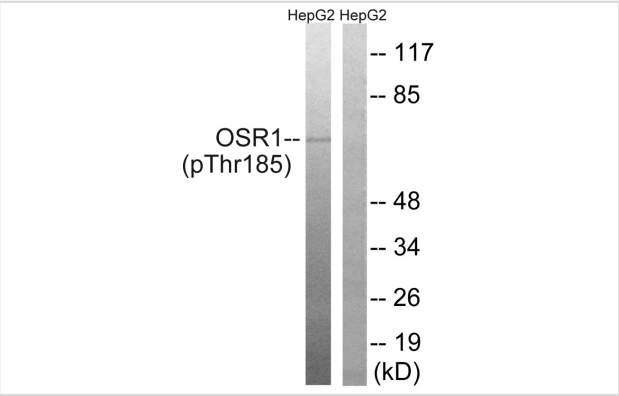
Product Name	OSR1 (Phospho-Thr185) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of OSR1 only when phosphorylated at threonine 185.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine185(R-K-T(p)-F-V) derived from Human OSR1.
Target Name	OSR1
Modification	Phospho
Other Names	OXSR1; kinase OSR1; Oxidative-stress responsive 1;
Accession No.	Swiss-Prot#: O95747; NCBI Gene#: 9943; NCBI Protein#: NP_005100.1.
SDS-PAGE MW	65kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

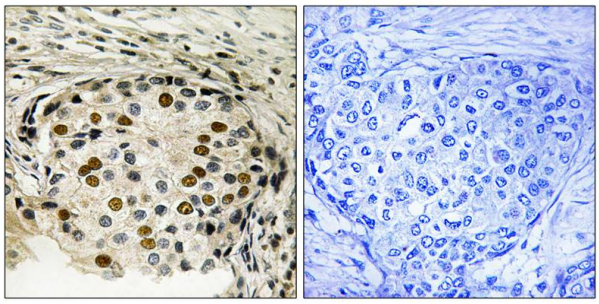
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HepG2 cells treated with serum using OSR1 (Phospho-Thr185) Antibody #11746.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using OSR1 (Phospho-Thr185) antibody #11746 (left)or the same antibody preincubated with blocking peptide (right).

Background

Oxidative-stress responsive 1 gene is located in the vicinity of three others genes - GOLGA4, ITGA9 and HYA22 on chromosome 3. These four genes are considered to be candidate tumor suppressors. Oxidative-stress responsive 1 protein has similarity to human Ste20/oxidant stress response kinase-1 and is thought to be involved in the response to oxidative stress

Tamari M., J. Hum. Genet. 44:116-120(1999).

Kikuno R., DNA Res. 6-197-205(1999).

The MGC Project Team; Genome Res. 14:2121-2127(2004).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.