G-Biosciences Image not found or type unknown

Immunotag™ OXSR1 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT3482
Product Description	Immunotag™ OXSR1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	OXSR1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human OXSR1. AA range:272-321
Specificity	OXSR1 Polyclonal Antibody detects endogenous levels of OXSR1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	OXSR1
Accession No.	O95747 Q6P9R2
Alternate Names	OXSR1; KIAA1101; OSR1; Serine/threonine-protein kinase OSR1; Oxidative stress-responsive 1 protein

Antibody Specification

Description	oxidative stress responsive 1(OXSR1) Homo sapiens The product of this gene belongs to the Ser/Thr protein kinase family of proteins. It regulates downstream kinases in response to environmental stress, and may play a role in regulating the actin cytoskeleton. [provided by RefSeq, Jul 2008],
Protein Expression	Brain,Epithelium,Liver,Skeletal muscle,
Subcellular Localization	intracellular,cytoplasm,extracellular exosome,
Protein Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:By autophosphorylation on threonine.,function:Regulates downstream kinases in response to environmental stress. May also have a function in regulating the actin cytoskeleton.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Binds to and phosphorylates PAK1. 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.,tissue specificity:Ubiquitously expressed in all tissue examined.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.