

Product datasheet for CF500392

OriGene Technologies, Inc.

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OXSR1 Mouse Monoclonal Antibody [Clone ID: OTI1F3]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI1F3
Applications: IHC, WB

Recommended Dilution: WB 1:1000, IHC 1:150

Reactivity: Human, Dog, Rat, Monkey, Mouse

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full-length protein expressed in 293T cell transfected with human OXSR1 expression vector

Formulation: Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)

Reconstitution Method: For reconstitution, we recommend adding 100uL distilled water to a final antibody

concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)

Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 57.8 kDa

Gene Name: oxidative stress responsive kinase 1

Database Link: NP 005100

Entrez Gene 108737 MouseEntrez Gene 316064 RatEntrez Gene 607809 DogEntrez Gene

696362 MonkeyEntrez Gene 9943 Human

<u>095747</u>





Background: The product of this gene belongs to the Ser/Thr protein kinase family of proteins. It regulates

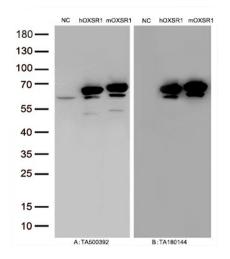
downstream kinases in response to environmental stress, and may play a role in regulating the actin cytoskeleton. Regulates downstream kinases in response to environmental stress.

May also have a function in regulating the actin cytoskeleton

Synonyms: OSR1

Protein Families: Druggable Genome, Protein Kinase

Product images:



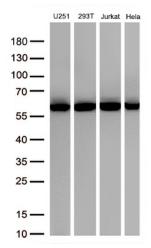
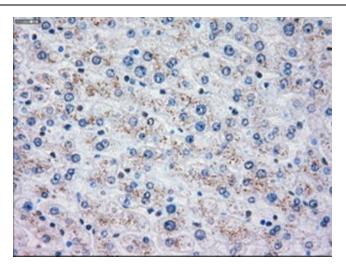


Figure A, Western blot analysis of overexpressed lysates (5ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human OXSR1 plasmid ([RC200396], hOXSR1), mouse OXSR1 plasmid ([MR208451], mOXSR1) using anti-OXSR1 antibody [TA500392] (1:20000@1mg/ml). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:20000@1mg/ml)

Western blot analysis of extracts (30ug per lane) from 4 different cell lines lysates by using anti-OXSR1 antibody([TA500392],1:1000@1mg/ml).





Immunohistochemical staining of paraffinembedded Human liver tissue within the normal limits using anti-OXSR1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.