Phospho-KSR1 (Ser392) (3A4) rabbit mAb

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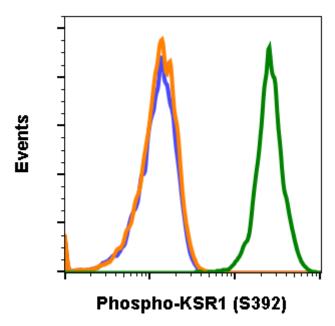
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Applications Flow Cytometry	Detection Anti-Rabbit IgG	Clonality Monoclonal	Isotype Rabbit IgGk
Format:	Unconjugated		
Cross Reactivity:	Predicted to work with mouse, rat and other homologues.		
Formulation:	1X PBS, 0.02% NaN3, 50% Glycerol, 0.1% BSA		
Preparation:	Protein A+G		
Reactivity:	Human,Mouse		
Recommended Usage:	$1\mu g/mL$ – $0.001\mu g/mL$. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.		
Immunogen:	A synthetic phospho-peptide correspond human phospho KSR1	ling to residues surroun	nding Ser392 of
Description:	The kinase suppressor of Ras 1 (KSR1) is the activation of the Raf/MEK/extracellul transduction pathway (1-3). KSR1 expre of growth factor-induced ERK activation induced transformation and senescence in mammalian models inhibits oncogenic transformation in vitro and in vivo (4,5). membrane in response to growth factor forms a complex involving Raf-1, MEK1 activation of MEK by Raf and of ERK by I dependent negative feedback signaling stimulated cells, KSR1 is sequestered in after phosphorylation by C-TAK1 at Ser2 constitutively interacts with MEK and ER activated Ras triggers the dephosphoryl the release of 14-3-3 protein from its bir KSR1 to translocate to the cell membrar with Raf, MEK and ERK, facilitating the upstre regulating multiple cellular functions by	ar signal-regulated kind ssion regulates the interpolate to modulate cell prolifer, and adipogenic potentic Ras-induced senescer KSR1 translocates to the treatment and Ras action and 14-3-3 protein and MEK (6). KSR1 also med on Raf, MEK, and KSR1 the cytosol through 14-197 and Ser392. Meanwark. Upon growth factor station of KSR1 at Ser392 ading sites. This in turn ne, where phospho KSR2 at the signalling transduces the sam signalling transduces.	ensity and duration eration, H-RasV12-tial. KSR1 disruption ince and he plasma evation, where it facilitates the liates ERK-(7). In non-3-3 protein binding while, KSR1 stimulation, 2 by PP2A, leading to allows phospho 1 forms a complex phosphorylation of tion as well as

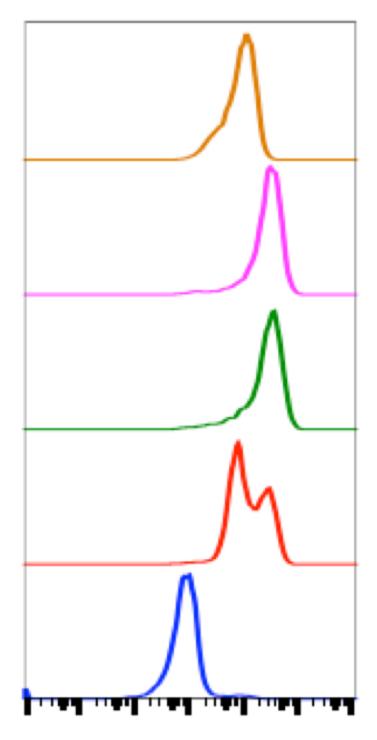


References:

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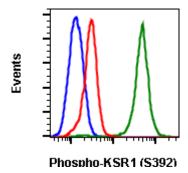
KSR1S392-3A4 recognizes basal phosphorylation levels in mouse cells. Flow cytometric analysis of NIH3T3 cells secondary antibody only (blue) or $0.1 \ \mu g/mL$ of isotype control Cat. #2141 (orange) or of Phospho-KSR1(S392) antibody KSR1S392-3A4 (green) Cat. #2186.



Phospho KSR1 (S392)

\$WELLID	Treatment	Median : BL1-A
A3 + PP	PV	8933
A3 + NP	PV	28044
A3 0.05 ug/mL	PV	27573
A3 0.05 ug/mL	imatinib	10368
2'Ab	imatinib	822

Flow cytometric analysis of K562 cells secondary antibody only negative control (blue) treated with imatinib (red) treated with PV (green) treated with PV + blocked with non-phospho peptide (violet) or treated with PV + blocked with phospho-peptide (brown) using Phospho-KSR1(S392) antibody KSR1S392-3A4 $0.05 - \mu g/mL$. Cat. # 2186.



Flow cytometric analysis of HeLa human adenocarcinoma cells untreated and unstained as negative control (blue) or treated with lambda phosphatase and stained (red) or untreated and stained (green) using Phospho-KSR1 (S392) antibody, KSR1S392-3A4 at $0.1 \,\mu\text{g/mL}$. Cat. #2186.