Product Datasheet

Phospho-c Jun (Ser63) Rabbit mAb

Catalog No: #52101

Package Size: #52101-1 50ul #52101-2 100ul

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

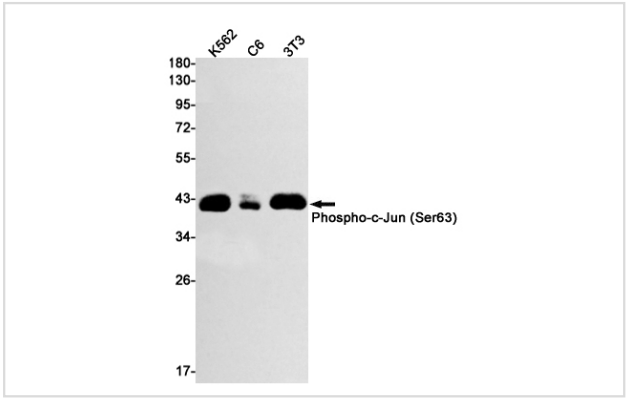
Description

Product Name	Phospho-c Jun (Ser63) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S07-3G7
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic phosphopeptide corresponding to residues surrounding Ser63 of human c-Jun
Conjugates	Unconjugated
Modification	Phosphorylated
Other Names	AH119; AP1; Activator protein 1; Jun A; c-Jun;
Accession No.	Swiss-Prot:P05412GeneID:3725
Uniprot	P05412
GeneID	3725
Calculated MW	Calculated MW: 36 kDa; Observed MW: 43 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

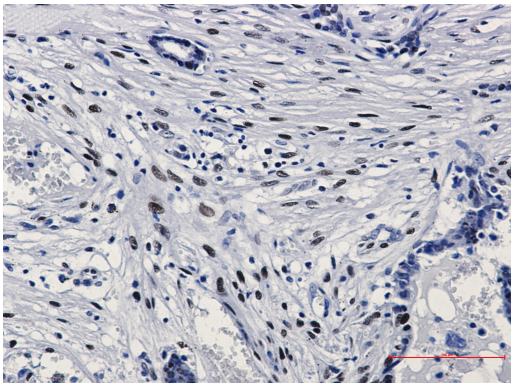
Application Details

WB: 1/1000; IHC: 1/20;

Images



Western blot detection of Phospho-c-Jun (Ser63) in K562,C6,3T3 cell lysates using Phospho-c-Jun (Ser63) Rabbit mAb(1:1000 diluted).Predicted band size:36kDa.Observed band size:43kDa.



Immunohistochemistry of c-Jun (phospho S63) in paraffin-embedded Human breast cancer tissue using c-Jun (phospho S63) Rabbit mAb at dilution 1/20

Background

Swiss-Prot Acc.P05412.Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed:10995748, PubMed:22083952).

Heterodimerizes with proteins of the FOS family to form an AP-1 transcription complex, thereby enhancing its DNA binding activity to the AP-1 consensus sequence 5'-TGA[GC]TCA-3' and enhancing its transcriptional activity (By similarity).

Together with FOSB, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (PubMed:12618758).

Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed:17210646).

Note: This product is for in vitro research use only