Product Datasheet

FBXL3 (Phospho-Ser320) Antibody

Catalog No: #11593

Package Size: #11593-1 50ul #11593-2 100ul

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

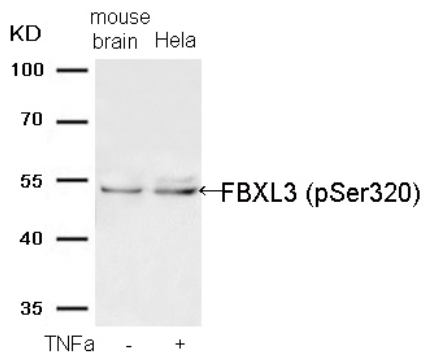
Description

Product Name	FBXL3 (Phospho-Ser320) 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
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of FBXL3 only when phosphorylated at serine 320.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 320 (S-V-S(p)-K-D) derived from Human FBXL3.
Target Name	FBXL3
Modification	Phospho
Other Names	FBL3A; FBXL3A
Accession No.	Swiss-Prot#: Q9UKT7NCBI Protein#: NP_036290.1.
Uniprot	Q9UKT7
GeneID	26224;
SDS-PAGE MW	49kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Hela cells treated with TNFa (lane 2) and mouse brain tissus(lane 1) using FBXL3 (Phospho-Ser320) Antibody #11593.

Background

Substrate-recognition component of the SCF(FBXL3) E3 ubiquitin ligase complex involved in circadian rhythm function. Plays a key role in the maintenance of both the speed and the robustness of the circadian clock oscillation. The SCF(FBXL3) complex mainly acts in the nucleus and mediates ubiquitination and subsequent degradation of CRY1 and CRY2. Activity of the SCF(FBXL3) complex is counteracted by the SCF(FBXL21) complex.

1)Busino L., Bassermann F., Maiolica A., Lee C., Nolan P.M., Godinho S.I., Draetta G.F., Pagano M. Science 316:900-904(2007)

2)Yoo S.H., Mohawk J.A., Siepka S.M., Shan Y., Huh S.K., Hong H.K., Kornblum I., Kumar V., Koike N., Xu M., Nussbaum J., Liu X., Chen Z., Chen Z.J., Green C.B., Takahashi J.S.Cell 152:1091-1105(2013)

Note: This product is for in vitro research use only