

Product Name: KD-Validated TSNAX Mouse Monoclonal Antibody**Catalog #: KVA00419**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 33.1kDa

Antigen Information

Gene Name	TSNAX
Alternative Names	TSNAX; Translin Associated Factor X; TRAX; C3PO; Translin-Associated Protein X; Translin-Associated Factor X; Translin-Like Protein
Gene ID	7257.0
SwissProt ID	Q99598
Immunogen	Recombinant protein of human TSNAX

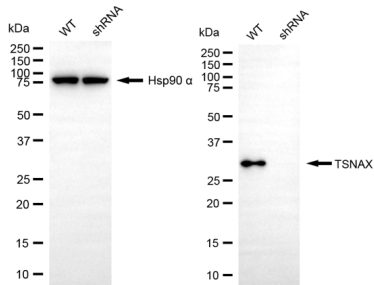
Background

This gene encodes a protein which specifically interacts with translin, a DNA-binding protein that binds consensus sequences at breakpoint junctions of chromosomal translocations. The encoded protein contains bipartite nuclear targeting sequences that may provide nuclear transport for translin, which lacks any nuclear targeting motifs. [provided by RefSeq, Jul 2008]

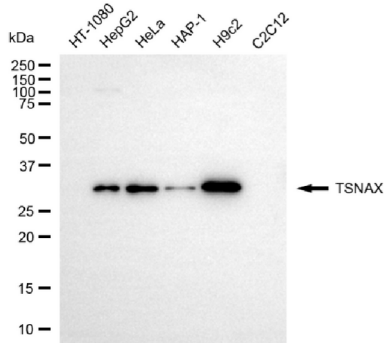
Research Area

Epigenetics and Nuclear Signaling

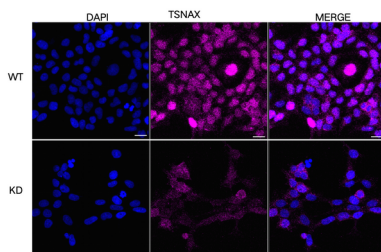
Image Data



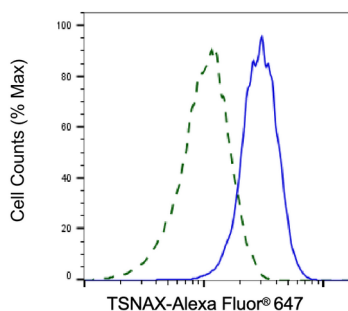
Western blotting analysis using TSNAX antibody (KVA00419). TSNAX expression in wild-type (WT) and TSNAX shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TSNAX antibody (KVA00419, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



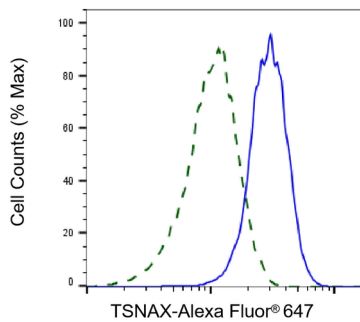
Western blotting analysis using TSNAX antibody (KVA00419). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TSNAX antibody (KVA00419, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using TSNAX antibody (KVA00419, 1:1,000), Top panel: wild-type (WT); Bottom panel: TSNAX shRNA knockdown (KD). Nuclei were stained blue with DAPI; TSNAX was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Validation of TSNAX knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with TSNAX antibody (KVA00419, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of TSNAX expression in HeLa cells using TSNAX antibody (KVA00419, 1:1,000) . Green, isotype control; red, TSNAX.