

## Product datasheet for **CF502933**

### LNK (SH2B3) Mouse Monoclonal Antibody [Clone ID: OTI2C9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C9
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:500, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SH2B3 (NP_005466) produced in HEK293T cell.
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:	63 kDa
Gene Name:	SH2B adaptor protein 3
Database Link:	<a href="#">NP_005466</a> <a href="#">Entrez Gene 10019 Human Q9UQQ2</a>



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**Background:**

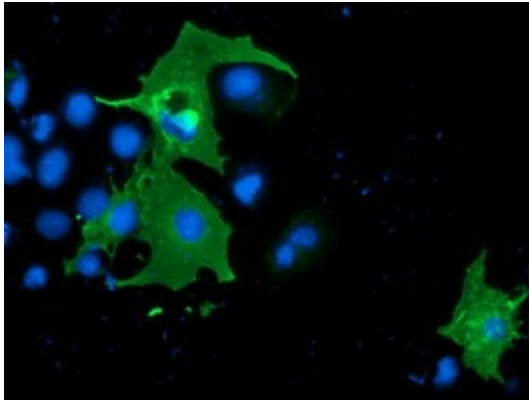
This gene encodes a member of the SH2B adaptor family of proteins, which are involved in a range of signaling activities by growth factor and cytokine receptors. The encoded protein is a key negative regulator of cytokine signaling and plays a critical role in hematopoiesis. Mutations in this gene have been associated with susceptibility to celiac disease type 13 and susceptibility to insulin-dependent diabetes mellitus.

**Synonyms:**

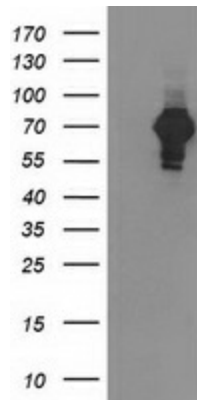
IDDM20; LNK

**Protein Pathways:**

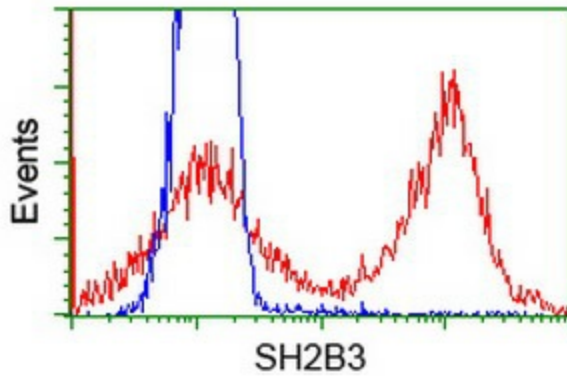
Neurotrophin signaling pathway

**Product images:**


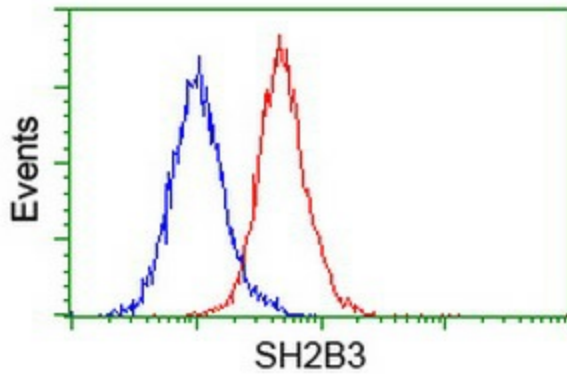
Anti-SH2B3 mouse monoclonal antibody ([TA502933]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SH2B3 ([RC218359]).



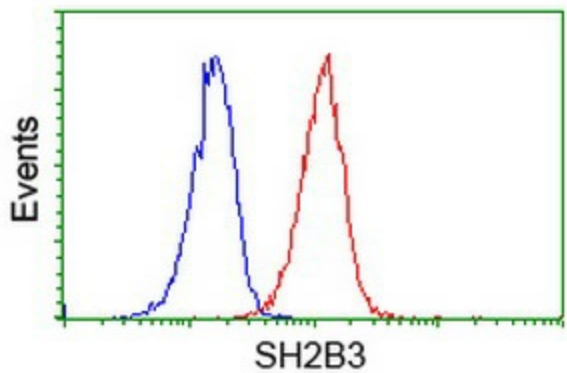
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SH2B3 (Cat# [RC218359], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SH2B3(Cat# [TA502933]). Positive lysates [LY401678] (100ug) and [LC401678] (20ug) can be purchased separately from OriGene.



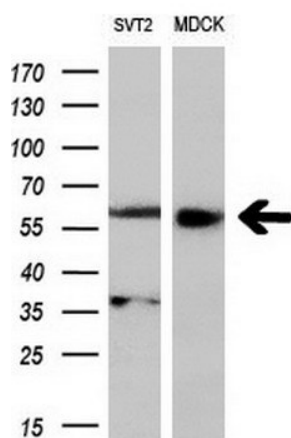
HEK293T cells transfected with either [RC218359] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SH2B3 antibody ([TA502933]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-SH2B3 antibody ([TA502933]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-SH2B3 antibody ([TA502933]), (Red), compared to a nonspecific negative control antibody, (Blue).



Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-SH2B3 monoclonal antibody (1:200).