

Product datasheet for **CF502764**

LNK (SH2B3) Mouse Monoclonal Antibody [Clone ID: OTI2D8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D8
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, 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:	NP_005466 Entrez Gene 10019 Human Q9UQQ2



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Background:

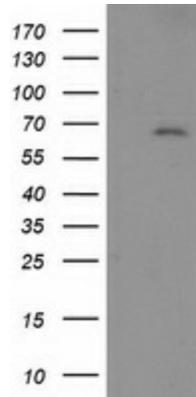
This gene encodes a member of the SH2B adaptor family of proteins, which are involved in a range of signaling activities by growth factor and cytokine receptors. The encoded protein is a key negative regulator of cytokine signaling and plays a critical role in hematopoiesis. Mutations in this gene have been associated with susceptibility to celiac disease type 13 and susceptibility to insulin-dependent diabetes mellitus. [provided by RefSeq, May 2010]

Synonyms:

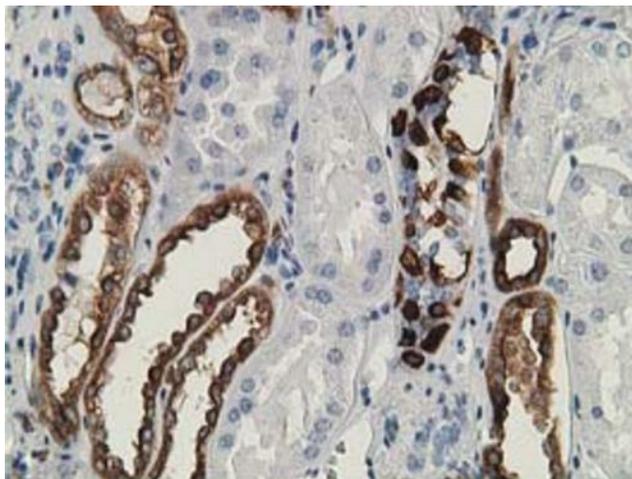
IDDM20; LNK

Protein Pathways:

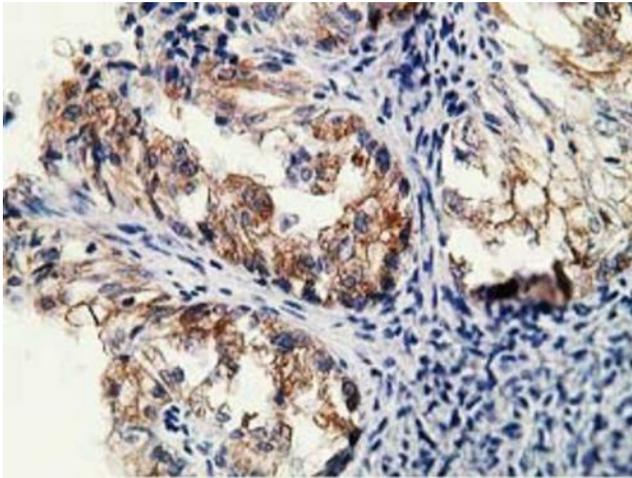
Neurotrophin signaling pathway

Product images:


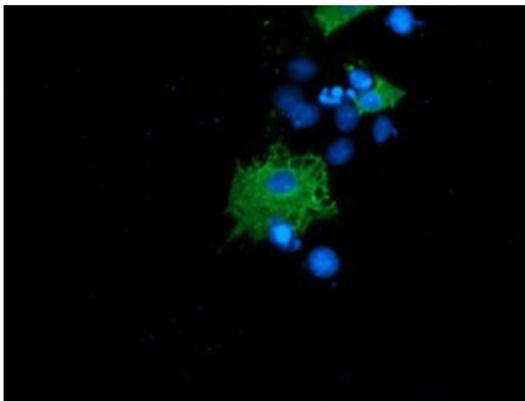
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SH2B3 ([RC218359], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SH2B3. Positive lysates [LY401678] (100ug) and [LC401678]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



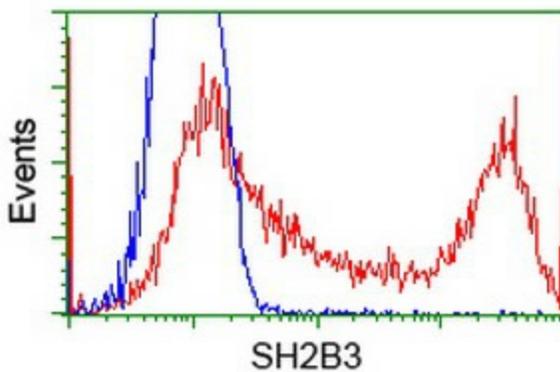
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SH2B3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502764])



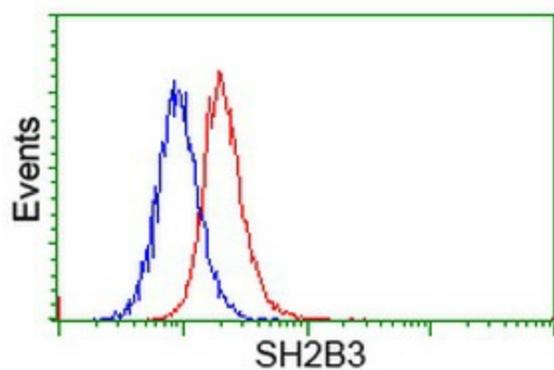
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-SH2B3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502764])



Anti-SH2B3 mouse monoclonal antibody ([TA502764]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SH2B3 ([RC218359]).



HEK293T cells transfected with either [RC218359] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SH2B3 antibody ([TA502764]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-SH2B3 antibody ([TA502764]), (Red), compared to a nonspecific negative control antibody, (Blue).