



# Anti-STXBP4 monoclonal antibody (DCABH-713)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Syntaxin-binding protein 4
<b>Antigen Description</b>	Plays a role in the translocation of transport vesicles from the cytoplasm to the plasma membrane. Inhibits the translocation of SLC2A4 from intracellular vesicles to the plasma membrane by STX4A binding and preventing the interaction between STX4A and VAMP2. Stimulation with insulin disrupts the interaction with STX4A, leading to increased levels of SLC2A4 at the plasma membrane. May also play a role in the regulation of insulin release by pancreatic beta cells after stimulation by glucose.
<b>Immunogen</b>	Recombinant full length protein, corresponding to amino acids 1-245 of Human Syntaxin-binding protein 4 with proprietary tag (AAH41485).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Purity</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA, Sandwich ELISA
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.20; Constituent: 99% PBS
<b>Preservative</b>	None

<b>Storage</b>	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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<b>Ship</b>	Shipped at 4°C.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">STXBP4 syntaxin binding protein 4 [ Homo sapiens ]</a>
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<b>Official Symbol</b>	STXBP4
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<b>Synonyms</b>	STXBP4; syntaxin binding protein 4; syntaxin-binding protein 4; MGC50337; Synip; STX4-interacting protein; syntaxin 4 interacting protein; syntaxin 4-interacting protein; FLJ16496; MGC149829;
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<b>Entrez Gene ID</b>	<a href="#">252983</a>
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<b>Protein Refseq</b>	<a href="#">NP_848604</a>
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<b>UniProt ID</b>	<a href="#">Q6ZWJ1</a>
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<b>Chromosome Location</b>	17q22
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<b>Pathway</b>	Insulin Signaling, organism-specific biosystem; Insulin-mediated glucose transport, organism-specific biosystem;
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<b>Function</b>	calcium ion binding;
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