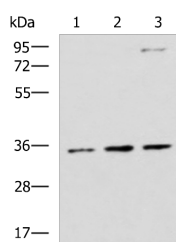


## STX5 Polyclonal Antibody

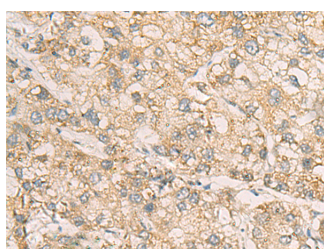
<b>Catalog No.</b>	E-AB-52597	<b>Reactivity</b>	H, M, R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Western blot analysis of HepG2 A431 and Raji cell lysates using STX5 Polyclonal Antibody at dilution of 1:1000



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using STX5 Polyclonal Antibody at dilution of 1:70(x200)

### Immunogen Information

<b>Immunogen</b>	Fusion protein of human STX5
<b>Gene Accession</b>	BC012137
<b>Swissprot</b>	Q13190
<b>Synonyms</b>	OTTHUMP00000185028,SED5,STX5,STX5,STX5A, Syntaxin 5,Syntaxin 5A,Syntaxin-5,Syntaxin5,Syntaxin5A

### Product Information

<b>Calculated MW</b>	40 kDa
<b>Observed MW</b>	Refer to figures
<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4
<b>Purify</b>	Antigen affinity purification
<b>Dilution</b>	WB 1:500-1:2000, IHC 1:50-1:200, ELISA 1:5000-1:10000

### Background

The membrane protein syntaxin 5 (STX5) is a key component of soluble N-ethylmaleimide-sensitive factor attachment protein (SNAP) receptor (SNARE) complexes that regulate cellular protein transport, vesicle docking, and membrane fusion. Syntaxin 5 protein is found as a 42 kDa ("long") protein localized to the Golgi complex and endoplasmic reticulum, and a "short" 35 kDa isoform localized primarily to the Golgi. Formation of the syntaxin 5 SNARE complex, which also includes proteins Sec22B, Bet1, GOSR1, GOSR2, and Ykt6, allows for regulation of ER-to-Golgi transport, intra-Golgi transport, and endosome-to-Golgi retrograde transport. Research studies indicate that the syntaxin 5 SNARE complex also plays an essential role in autophagy following autophagosome formation. Intracellular protein transport mediated by the syntaxin 5 complex is required for transport and localized activity of lysosomal proteases. The experimental reduction or deletion of syntaxin 5 complex components results in non-functional lysosomes and accumulation of autophagosomes.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.