

## Anti-SYTL5 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 81 kDa. Actual: 75 kDa.
Purification:	Protein A purified

## Applications

1. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-SYTL5 Polyclonal Antibody, Unconjugated (TMAB-13345) 1: 200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1: 200 dilution for 40 minutes at 37°C. DAPI (5 µg/ml, blue) was used to stain the cell nuclei

## 2. Sample:

Verified Activity:	Lane 1: Human MCF-7 cell lysates Lane 2: Human U251 cell lysates Lane 3: Human HeLa cell lysates Lane 4: Human A549 cell lysates Primary: Anti-SYTL5 (TMAB-13345) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kDa Observed band size: 75 kDa
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Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human SYTL5
Antigen Species:	Human
Gene ID:	94122
Uniprot ID:	Q8TDW5

## Research Background

The protein encoded by this gene belongs to the synaptotagmin-like (Slp) protein family, which contains a unique homology domain at the N-terminus, referred to as the Slp homology domain (SHD). The SHD functions as a binding site for Rab27A, which plays a role in protein transport. Expression of this gene is restricted to placenta and liver, suggesting that it might be involved in Rab27A-dependent membrane trafficking in specific tissues. Alternatively

spliced transcript variants encoding different isoforms have been found for this gene.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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