

## YidC

Cat.No. 383 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> not tested yet <b>IHC:</b> not tested yet <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Recombinant protein corresponding to AA 260 to 367 from YidC (UniProt Id: A0R7J7)
Reactivity	Reacts with: prokaryotes. Other species not tested yet.
Specificity	Specific for YidC.

### Selected General References

Membrane protein insertase YidC in bacteria and archaea.  
Kuhn A, Kiefer D  
Molecular microbiology (2017) 103(4): 590-594.

YidC assists the stepwise and stochastic folding of membrane proteins.  
Serdiuk T, Balasubramaniam D, Sugihara J, Mari SA, Kaback HR, Müller DJ  
Nature chemical biology (2016) 12(11): 911-917.

The preprotein translocase YidC controls respiratory metabolism in Mycobacterium tuberculosis.  
Thakur P, Gantasala NP, Choudhary E, Singh N, Abdin MZ, Agarwal N  
Scientific reports (2016) 6: 24998.

#### TO BE USED IN VITRO / FOR RESEARCH ONLY

#### NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The insertion of proteins into the prokaryotic plasma membrane is catalyzed by translocases and insertases. **YidC** insertases interact with their substrates at an amphiphilic protein-lipid interface mediating the insertion of the substrate's transmembrane segment into the lipid bilayer.