

**LOC646627 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12589c****Specification**

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**LOC646627 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q6UX82](#)**LOC646627 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 646627**Other Names**

Ly6/PLAUR domain-containing protein 8, LYPD8

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**LOC646627 Antibody (Center) Blocking peptide - Protein Information****Name** LYPD8 ([HGNC:44208](#))**Function**Secreted protein specifically required to prevent invasion of Gram-negative bacteria in the inner mucus layer of the colon epithelium, a portion of the large intestine which is free of commensal microbiota. Prevents invasion of flagellated microbiota by binding to the flagellum of bacteria, such as *P.mirabilis*, thereby inhibiting bacterial motility in the intestinal lumen. Segregation of intestinal bacteria and epithelial cells in the colon is required to preserve intestinal homeostasis.**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q9D7S0}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:Q9D7S0}. Secreted {ECO:0000250|UniProtKB:Q9D7S0}. Note=Secreted into the lumen of the colon following cleavage of the GPI-anchor {ECO:0000250|UniProtKB:Q9D7S0}

**Tissue Location**

Expressed in the large intestine. Preferentially expressed on the epithelial layer exposed to the lumen (at protein level).

**LOC646627 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**LOC646627 Antibody (Center) Blocking peptide - Images****LOC646627 Antibody (Center) Blocking peptide - Background**

The exact functions of this protein remain unknown.

**LOC646627 Antibody (Center) Blocking peptide - References**

Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)