

Maltoporin Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54238

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P02943
Reactivity	E. coli
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49912

Additional Information

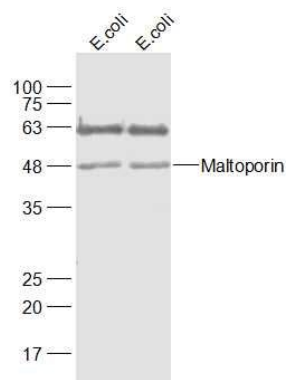
Gene ID	948548
Other Names	Maltoporin {ECO:0000255 HAMAP-Rule:MF_01301}, Maltose outer membrane channel, Maltose-inducible porin {ECO:0000255 HAMAP-Rule:MF_01301}, Phage lambda receptor protein, lamB {ECO:0000255 HAMAP-Rule:MF_01301}, malB
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	lamB {ECO:0000255 HAMAP-Rule:MF_01301}
Synonyms	malB
Function	Involved in the transport of maltose and maltodextrins (PubMed: 11742115 , PubMed: 2832377 , PubMed: 3301537 , PubMed: 7824948 , PubMed: 8805519 , PubMed: 9299337). Indispensable for translocation of maltodextrins (alpha 1-4 linked polyglucosyls) containing more than three glucosyl moieties. A hydrophobic path ('greasy slide') of aromatic residues serves to guide and select the sugars for transport through the channel (PubMed: 11742115 , PubMed: 7824948 , PubMed: 8805519 , PubMed: 9299337). Also acts as a receptor for several bacteriophages including lambda (PubMed: 4201774). Binds maltosaccharides; when LamB binds starch in soft agar, it inhibits motility (PubMed: 2832377).
Cellular Location	Cell outer membrane {ECO:0000255 HAMAP-Rule:MF_01301, ECO:0000269 PubMed:16079137, ECO:0000269 PubMed:1988451,

ECO:0000269 | PubMed:4201774, ECO:0000269 | Ref.9}; Multi-pass membrane protein {ECO:0000255 | HAMAP-Rule:MF_01301, ECO:0000269 | PubMed:16079137}

Images



Sample:

E.coli Lysate at 40 ug

E.coli Lysate at 40 ug

Primary: Anti-Maltoporin (AP54238) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 48 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.