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Mycobacterium tuberculosis Ag85B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59206

Specification

Mycobacterium tuberculosis Ag85B Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	P9WQP1
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**31 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from Mycobacterium tuberculosis Ag85B**
Epitope Specificity	**231-325/325**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Secreted.**
SIMILARITY	**Belongs to the mycobacterial A85 antigen family.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
Antigen 85B is the most abundant protein expressed by Mycobacterium tuberculosis (about one quarter). It is a myocolyc transferase in the myc pathway and catalyses - like Ag85A and Ag85C - the transfer of the fatty acid mycolate from one trehalose monomycolate to another, resulting in trehalose dimycolate and free trehalose and helping build the cell wall.

Mycobacterium tuberculosis Ag85B Polyclonal Antibody - Additional Information

Gene ID 45425859;885785

Other Names
Diacylglycerol acyltransferase/mycolyltransferase Ag85B, DGAT, 2.3.1.122, 2.3.1.20, 30 kDa extracellular protein, Acyl-CoA:diacylglycerol acyltransferase, Antigen 85 complex B, 85B, Ag85B, Extracellular alpha-antigen, Fibronectin-binding protein B, Fbps B, fbpB

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage

Store at -20 ℃ 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 ℃.

Mycobacterium tuberculosis Ag85B Polyclonal Antibody - Protein Information

Name fbpB

Function
The antigen 85 proteins (FbpA, FbpB, FbpC) are responsible for the high affinity of mycobacteria for fibronectin, a large adhesive glycoprotein, which facilitates the attachment of M.tuberculosis to murine alveolar macrophages (AMs). They also help to maintain the integrity of the cell wall by catalyzing the transfer of mycolic acids to cell wall arabinogalactan and through the synthesis of alpha,alpha- trehalose dimycolate (TDM, cord factor). They catalyze the transfer of a mycoloyl residue from one molecule of alpha,alpha-trehalose monomycolate (TMM) to another TMM, leading to the formation of TDM.

Cellular Location
Secreted.

Mycobacterium tuberculosis Ag85B Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mycobacterium tuberculosis Ag85B Polyclonal Antibody - Images