

Biotin Anti-Transferrin Receptor antibody [R17217.1.4] ab63333

概述

产品名称	生物素Anti-Transferrin Receptor抗体[R17217.1.4]
描述	生物素大鼠单克隆抗体[R17217.1.4] to Transferrin Receptor
宿主	Rat
偶联物	Biotin
特异性	The clone number has been updated from (1.BB.713) to (R17217.1.4) both clone numbers name the same antibody clone.
经测试应用	适用于: IHC-Fr, IHC-P, IP, ICC/IF, Flow Cyt
种属反应性	与反应: Mouse
免疫原	Tissue, cells or virus corresponding to Mouse Transferrin Receptor. DMSO induced Friend erythroleukemia 745.6
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: PBS</p>
纯化说明	purified by affinity chromatography
克隆	单克隆
克隆编号	R17217.1.4
同种型	IgG2a

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab63333于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab18445 - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

靶标

功能

Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system (By similarity). A second ligand, the hereditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site. Positively regulates T and B cell proliferation through iron uptake (PubMed:26642240).
(Microbial infection) Acts as a receptor for new-world arenaviruses: Guanarito, Junin and Machupo virus.

疾病相关

Immunodeficiency 46

序列相似性

Belongs to the peptidase M28 family. M28B subfamily.
Contains 1 PA (protease associated) domain.

翻译后修饰

N- and O-glycosylated, phosphorylated and palmitoylated. The serum form is only glycosylated. Proteolytically cleaved on Arg-100 to produce the soluble serum form (sTfR).
Palmitoylated on both Cys-62 and Cys-67. Cys-62 seems to be the major site of palmitoylation.

细胞定位

Secreted and Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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