abcam

Product datasheet

Human Transferrin Receptor peptide ab101219

<u>1 References</u> 1 图像

^立 品名称	人Transferrin Receptor多肽
屯 度	> 70 % HPLC.
	70 - 90% by HPLC
Accession	<u>P02786</u>
无动 物成分	No
生 质	Synthetic
中属	Human
支术指标	
	e covers the use of ab101219 in the following tested applications.
Our Abpromise guarante	<u>e</u> covers the use of ab101219 in the following tested applications. de recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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Our <u>Abpromise guarante</u> The application notes inclu 应 用 移式	 de recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user. Blocking - Blocking peptide for Anti-Transferrin Receptor antibody (ab84036) Liquid First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions. If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer. Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.

稳定性和存储

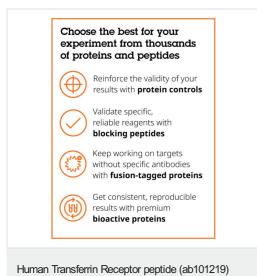
Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Information available upon request.

常规信息

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 heditary 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.

图片



To learn more about our protein and peptide range click $\underline{here}.$

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