



Mouse anti-Human OCA2 monoclonal antibody, clone 2B22 (CABT-B10852)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	OCA2 (AAH12097, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2B22
Conjugate	Unconjugated
Applications	ELISA
Sequence Similarities	GKLWQLLALSPLNYSVNLSSHVDSTLLQVDLAGALVASGSPSRPGREEHIVVELTQADAL GSRWRRPQQVTHNWTVYLNPRRSEHSVMSRTFEVLRETIV
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction This gene encodes the human homolog of the mouse p (pink-eyed dilution) gene. The encoded protein is believed to be an integral membrane protein involved in small molecule transport,

specifically tyrosine, which is a precursor to melanin synthesis. It is involved in mammalian pigmentation, where it may control skin color variation and act as a determinant of brown or blue eye color. Mutations in this gene result in type 2 oculocutaneous albinism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Keywords

OCA2; oculocutaneous albinism II; P; BEY; PED; BEY1; BEY2; BOCA; EYCL; HCL3; EYCL2; EYCL3; SHEP1; D15S12; P protein; P-protein; eye color 3 (brown); hair color 3 (brown); eye color 2 (central brown); total brown iris pigmentation; pink-eyed dilution protein homolog; melanocyte-specific transporter protein; oculocutaneous albinism II (pink-eye dilution homolog, mouse);

GENE INFORMATION

Entrez Gene ID

[4948](#)

UniProt ID

[Q04671](#)

Function

L-tyrosine transmembrane transporter activity; arsenite transmembrane transporter activity; citrate transmembrane transporter activity; protein binding; transporter activity
