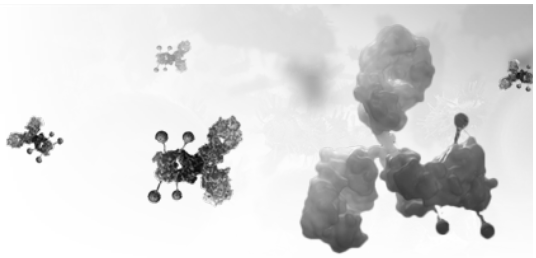

Mouse anti-Human KISS1 monoclonal antibody, clone 2G8 (CABT-B10526)

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

PRODUCT INFORMATION

Immunogen	KISS1 (NP_002247, 46 a.a. ~ 145 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	2G8
Conjugate	Unconjugated
Applications	WB, IHC, sELISA, ELISA
Sequence Similarities	PGEQSLPCTERKPAATARLSRRGTSLSPPPESSGSPQQPGLSAPHSRQIPAPQGAVLVQR EKDLPNYNWNSFGLRFGKREAAPGNHGRSAGRGWGAGAGQ
Format	Liquid
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 is a metastasis suppressor gene that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity. The encoded protein may inhibit chemotaxis and invasion and thereby attenuate metastasis in malignant melanomas. Studies suggest a

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	putative role in the regulation of events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. A protein product of this gene, kisspeptin, stimulates gonadotropin-releasing hormone (GnRH)-induced gonadotropin secretion and regulates the pubertal activation of GnRH nuerons. A polymorphism in the terminal exon of this mRNA results in two protein isoforms. An adenosine present at the polymorphic site represents the third position in a stop codon. When the adenosine is absent, a downstream stop codon is utilized and the encoded protein extends for an additional seven amino acid residues. [provided by RefSeq, Mar 2012]
Keywords	KISS1; KiSS-1 metastasis-suppressor; HH13; KiSS-1; metastasis-suppressor KiSS-1; metastin; kisspeptin-1; prepro-kisspeptin; malignant melanoma metastasis-suppressor;

GENE INFORMATION

Entrez Gene ID	3814
UniProt ID	Q15726
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	protein binding;

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