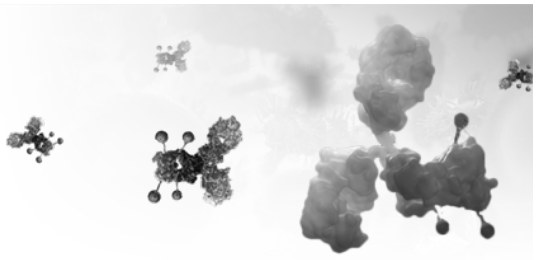

Mouse anti-Human HRH1 monoclonal antibody, clone 4E2 (CABT-B10426)

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

PRODUCT INFORMATION

Immunogen	HRH1 (NP_000852, 312 a.a. ~ 415 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4E2
Conjugate	Unconjugated
Applications	sELISA,ELISA
Sequence Similarities	AAAEGSSRDYVAVNRSHGQLKTDEQGLNTHGASEISEDQMLGDSQSFSRTDSDTTTETAP GKGKLRSGSNTGLDYIKFTWKRLRSHSRQYVSGLHMNRERKAA*
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	Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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	The protein encoded by this gene is an integral membrane protein and belongs to the G protein-coupled receptor superfamily. It mediates the contraction of smooth muscles, the increase in capillary permeability due to contraction of terminal venules, the release of catecholamine from adrenal medulla, and neurotransmission in the central nervous system. It has been associated with multiple processes, including memory and learning, circadian rhythm, and thermoregulation. It is also known to contribute to the pathophysiology of allergic diseases such as atopic dermatitis, asthma, anaphylaxis and allergic rhinitis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2015]
Keywords	HRH1; histamine receptor H1; H1R; H1-R; HH1R; hisH1; histamine H1 receptor; histamine receptor, subclass H1;

GENE INFORMATION

Entrez Gene ID	3269
UniProt ID	P35367
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem
Function	G-protein coupled receptor activity; histamine binding; histamine receptor activity; receptor activity

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Tel: 1-631-624-4882 Fax: 1-631-938-8221
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