GRP Mouse mAb

Catalog No	YP-mAb-18752
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	GRP
Protein Name	Gastrin-releasing peptide (GRP) [Cleaved into: Neuromedin-C (GRP-10)]
Immunogen	Synthesized peptide derived from human GRP
Specificity	This antibody detects endogenous levels of GRP at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	16kD
Cell Pathway	Secreted . Cytoplasmic vesicle, secretory vesicle lumen . Cell projection, neuron projection . In neurons of the retrotrapezoid nucleus/parafacial respiratory group, expressed on neuron projections which project into the pre-Botzinger complex. .
Tissue Specificity	
Function	Stimulates the release of gastrin and other gastrointestinal hormones (By similarity). Contributes to the perception of prurient stimuli and to the transmission of itch signals in the spinal cord that promote scratching behavior (By similarity). Contributes primarily to nonhistaminergic itch sensation (By similarity). In one study, shown to act in the amygdala as part of an inhibitory network which inhibits memory specifically related to learned fear (By similarity). In another study, shown to act on vasoactive intestinal peptide (VIP)-expressing cells in the auditory cortex, most likely via extrasynaptic diffusion from local and long-range sources, to mediate disinhibition of glutamatergic cells via VIP cell-specific GRPR signaling which leads to enhanced auditory fear memories (By similarity). Contributes to the regulation of food intake (By similarity). Inhibits voltage-gated sodium channels but enhances voltage-gated potassium channels in hippocampal neurons (By similarity). Induces sighing by acting directly on the pre-Botzinger complex, a cluster of several thousand neurons in the ventrolateral medulla responsible for inspiration during respiratory activity (By similarity). ; [Neuromedin-C]: Induces an

	itch response through activation of receptors present on mast cells, triggering mast cell degranulation.
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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