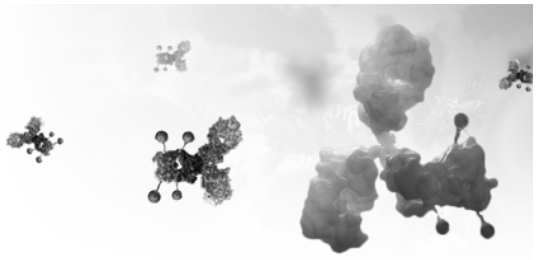

Rat anti-Substance P/HRP Bispecific Monoclonal antibody, clone Q5D2 (CABT-Z042R)

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

PRODUCT INFORMATION

Target	Substance P
Immunogen	Substance P and Full Lenght HRP
Isotype	IgG2a / IgG1
Source/Host	Rat
Species Reactivity	Human, crab, pigeons
Clone	Q5D2
Purification	Unpurified
Conjugate	Unconjugated
Applications	IHC, ELISA Recommended dilution: If reconstituted with deionized water in 2 mL: IHC and ICC 1:100 - 1:200. Optimal dilution has to be determined by the user.
Reconstitution	Deionized water
Format	Lyophilized
Size	2 ml
Storage	Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be

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	aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.
Ship	Wet ice

BACKGROUND

Introduction	The discovery of substance P (SP) was reported in 1931. After more than 70 years of investigation, SP is perhaps the best understood neuropeptide transmitter. Substance P is an undecapeptide, which by the mid-1981s was recognized to belong to the tachykinin peptide family; it is also member of the neurokinins. It has been proposed that SP, released from primary afferent nerve endings, plays a role in chronic inflammation and pain. Neurotransmitters appear to play a key role in the regulation of emotions and antagonists of their receptors may be novel psychotropic drugs of the future.
Keywords	Substance P;tachykinin;neuropeptide;neurokinin;SP

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