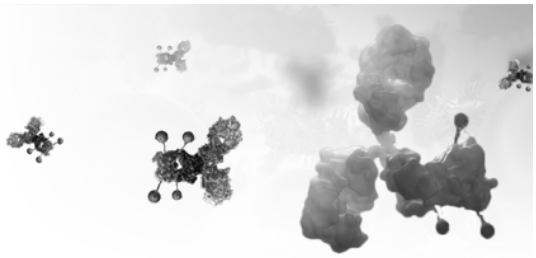

Rat anti-Substance P Monoclonal antibody, clone OD2/45 (CABT-B9325)

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

PRODUCT INFORMATION

Target	Substance P
Immunogen	Substance P
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Human, crab, pigeons
Clone	OD2/45
Purification	Unpurified
Conjugate	Unconjugated
Applications	IHC, ICC, ELISA Recommended dilution: If reconstituted with deionized water in 0.5 mL: IHC and ICC 1:200 - 1:500. Optimal dilution has to be determined by the user.
Reconstitution	Deionized water
Format	Lyophilized
Size	500 µl
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 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

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	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-1982s 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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