Biotin-labeled Antibody to NK-1 Receptor, Affinity-Purified
RABBIT POLYCLONAL

Catalog Number: AB-N33AP-BT
Quantity: 50 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Rabbit
Immunogen: Synthetic peptide corresponding to an amino acid sequence at the C-terminus of dog NK-1 receptor conjugated to bovine thyroglobulin with glutaraldehyde

Background: The Neurokinin-1 (NK-1) receptor is a G-protein-coupled receptor characterized by seven transmembrane helices which preferentially binds the neuropeptide substance P. The NK-1 receptor (also known as the substance P receptor) plays a key role in pain and inflammation. Studies also implicate NK-1 receptors in depression and the growth of brain tumors.

Specificity & Preparation: This antibody recognizes the NK-1 receptor in rat, dog, and human. This antibody was developed in rabbit using a synthetic peptide corresponding to an amino acid sequence at the C-terminus of dog NK-1 receptor conjugated to bovine thyroglobulin with glutaraldehyde. The peptide sequence has a high degree of homology to other species such as human, mouse, rat and guinea pig. It has been conjugated to biotin via an amide bond. The antibody is routinely tested by immunohistochemistry and flow cytometry.

Usage: Applications include immunohistochemistry (ATS in-house, peroxidase substrate 1-3 μg/ml and fluorescent 1-3 μg/ml), flow cytometry (ATS in-house, 3-10 μg/ml), immunoblotting (ATS in-house, western blot analysis 1-3 μg/ml), and ELISA (ATS in-house 1:1,000,000). Results may vary depending on protocol, tissue type etc; therefore the working dilutions should be determined by end user.

Storage: Store the antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

Scan to view all product references.

To view protocol(s) for this and other products please visit: www.ATSbio.com/library/protocols

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6/15/23