BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Neurokinin 1 Receptor Monoclonal Antibody

Catalog Number: M01006

Overview

Product Name	Anti-Neurokinin 1 Receptor Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Neurokinin 1 Receptor Monoclonal Antibody catalog # M01006. Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IHC, WB
Clonality	Monoclonal AFBH-20
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P25103

Technical Details

Immunogen	A synthesized peptide derived from human Neurokinin 1 Receptor This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 IP 1:50

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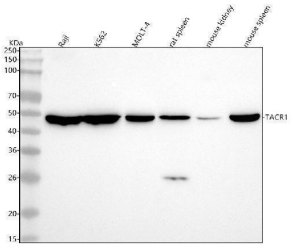
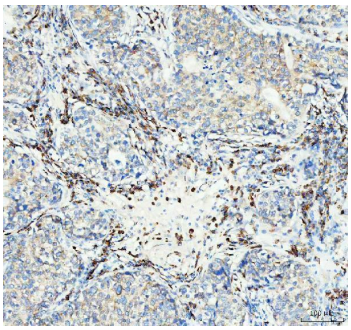
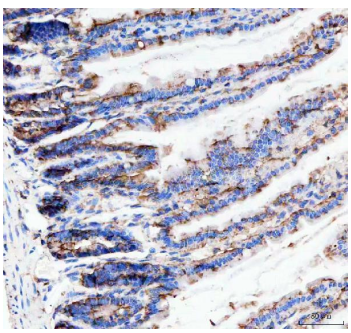
Anti-Neurokinin 1 Receptor Monoclonal Antibody (M01006) Images



Western blot analysis of Neurokinin 1 Receptor using anti-Neurokinin 1 Receptor antibody (M01006). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Raji whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: human MOLT-4 whole cell lysates, Lane 4: rat spleen tissue lysates, Lane 5: mouse kidney tissue lysates, Lane 6: mouse spleen tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Neurokinin 1 Receptor antigen affinity purified monoclonal antibody (Catalog # M01006) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Neurokinin 1 Receptor at approximately 48 kDa. The expected band size for Neurokinin 1 Receptor is at 46 kDa.



IHC analysis of Neurokinin 1 Receptor using anti-Neurokinin 1 Receptor antibody (M01006). Neurokinin 1 Receptor was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Neurokinin 1 Receptor Antibody (M01006) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of Neurokinin 1 Receptor using anti-Neurokinin 1 Receptor antibody (M01006). Neurokinin 1 Receptor was detected in a paraffin-embedded section of mouse colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Neurokinin 1 Receptor Antibody (M01006) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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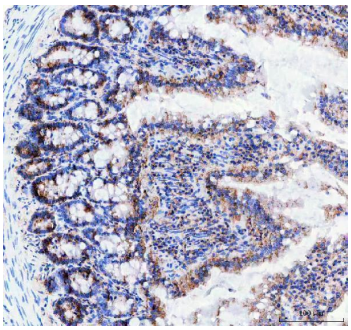

IHC analysis of Neurokinin 1 Receptor using anti-Neurokinin 1 Receptor antibody (M01006). Neurokinin 1 Receptor was detected in a paraffin-embedded section of rat colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Neurokinin 1 Receptor Antibody (M01006) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Anti-Neurokinin 1 Receptor Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.