

Anti-TAC1 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Horse, Rabbit, Sheep, Guinea Pig)
Molecular Weight: Theoretical: 1.4/13 kDa.
Purification: Protein A purified

Applications

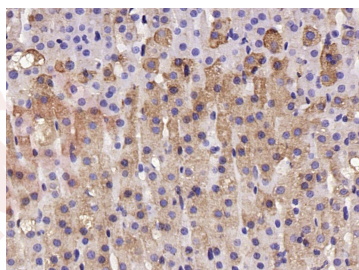
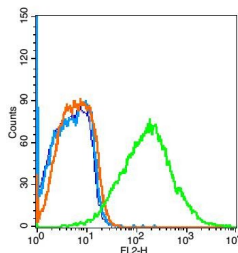
1. Blank control: Mouse brain cells (blue). Primary Antibody: Rabbit Anti-Substance P antibody (TMAB-01805), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions; Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

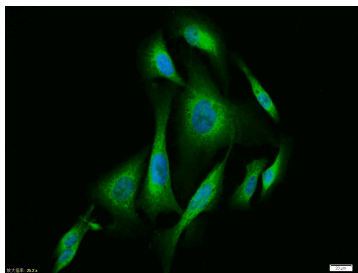
Protocol

The cells were fixed with 2% paraformaldehyde (10 min). Primary antibody (TMAB-01805, 1 µg/1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice.

Verified Activity:

2. Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Substance P) Polyclonal Antibody, Unconjugated (TMAB-01805) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. U-2OS cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (Substance P) polyclonal Antibody, Unconjugated (TMAB-01805) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.





Application: FCM,ICC/IF,IF,IHC-Fr,IHC-P

Recommended FCM=1 µg/Test; ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Substance P (RPKPQQFFGLM)

Antigen Species: Human

Gene ID: 6863

Uniprot ID: P20366

Synonyms: PPT;Protachykinin-1;TAC1

Biology Area: Cancer, Metabolism, Hormones, Tachykinins, Nociception

Research Background

This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] This antibody is cross-reactive with Neurokinin B.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481