



TrkA Mouse Monoclonal Antibody

E10-20337

Background: TrkA, also known as NTRK1, MTC, TRK, TRK1. It is a member of the neurotrophic tyrosine kinase receptor (NTKR) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Catalog Number: E10-20337

Amount: 100 μ g/100 μ l

Clone Number: 6B2

Species: Mouse IgG1

MW: 87.4kDa

Aliases: NTRK1, MTC, TRK, TRK1

Entrez Gene: 4914

Immunogen: Purified recombinant extracellular fragment of human TrkA (aa33-423) fused with hIgGFc tag expressed in HEK293 cell line.

Storage: Store at 4 $^{\circ}$ C for long term storage, store at

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: IHC, IF,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: IHC.1/200 - 1/1000.IF.1/200 - 1/1000.ELISA. Propose dilution 1/10000.

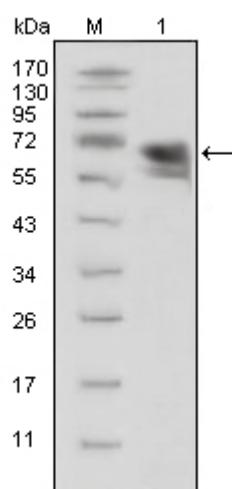


Figure 1. Western blot analysis using TrkA mouse mAb against extracellular domain of human TrkA(aa33-423).

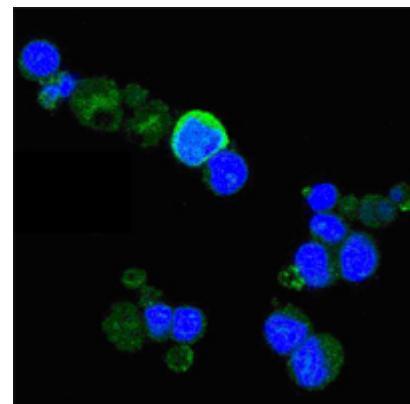


Figure 2. Confocal immunofluorescence analysis of PC-12 cells using TrkA mouse mAb (green), showing membrane and cytoplasmic localization. Blue. DRAQ5 fluorescent DNA dye.