ARG45378
anti-TrkC antibody [6G17]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [6G17] recognizes TrkC
Tested Reactivity	Ms
Tested Application	IHC-P
Host	Rat
Clonality	Monoclonal
Clone	6G17
Isotype	IgG1
Target Name	TrkC
Species	Mouse
Immunogen	Recombinant Mouse TrkC.
Conjugation	Un-conjugated
Alternate Names	TRKC; Neurotrophic tyrosine kinase receptor type 3; Trk-C; TrkC tyrosine kinase; NT-3 growth factor receptor; GP145-TrkC; EC 2.7.10.1; gp145(trkC)

Application Instructions

Application table

Application	Dilution
IHC-P	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

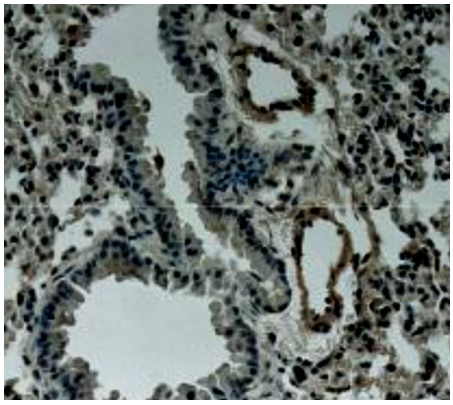
Properties

Form	Powder
Purification	Protein G chromatography
Buffer	PBS
Reconstitution	PBS
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NTRK3
Gene Full Name	neurotrophic tyrosine kinase, receptor, type 3
Background	This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]
Function	Receptor tyrosine kinase involved in nervous system and probably heart development. Upon binding of its ligand NTF3/neurotrophin-3, NTRK3 autophosphorylates and activates different signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways, that control cell survival and differentiation. [UniProt]
Calculated Mw	~ 150 kDa
PTM	Ligand-mediated auto-phosphorylation. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG45378 anti-TrkC antibody [6G17] IHC-P image

Immunohistochemistry: Mouse lung stained with ARG45378 anti-TrkC antibody [6G17].