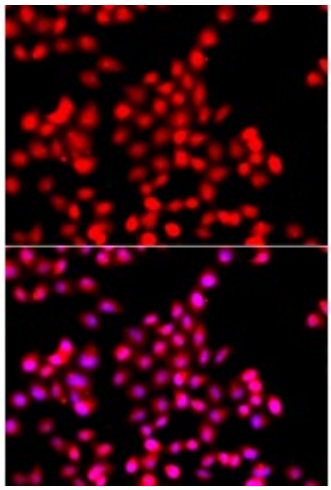
Anti-TTBK2 Antibody



Description	This gene encodes a serine-threonine kinase that putatively phosphorylates tau and tubulin proteins. Mutations in this gene cause spinocerebellar ataxia type 11 (SCA11); a neurodegenerative disease characterized by progressive ataxia and atrophy of the cerebellum and brainstem.

Model	STJ115409
Host	Rabbit
Reactivity	Human
Applications	IF
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1185-1244 of human TTBK2 (NP_775771.3).
Gene ID	146057
Gene Symbol	TTBK2
Dilution range	IF 1:50 - 1:200
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Tau-tubulin kinase 2
Molecular Weight	137.412 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:19141OMIM:604432Reactome:R-HSA-5620912
Alternative Names	Tau-tubulin kinase 2
Function	Serine/threonine kinase that acts as a key regulator of ciliogenesis: controls the initiation of ciliogenesis by binding to the distal end of the basal body and promoting the removal of CCP110, which caps the mother centriole, leading to the recruitment of IFT proteins, which build the ciliary axoneme, Has some substrate preference for proteins that are already phosphorylated on a Tyr residue at the +2 position relative to the phosphorylation site, Able to phosphorylate tau on serines in vitro,
Cellular Localization	Cell projection, cilium, Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole, Cytoplasm, cytosol, Nucleus,