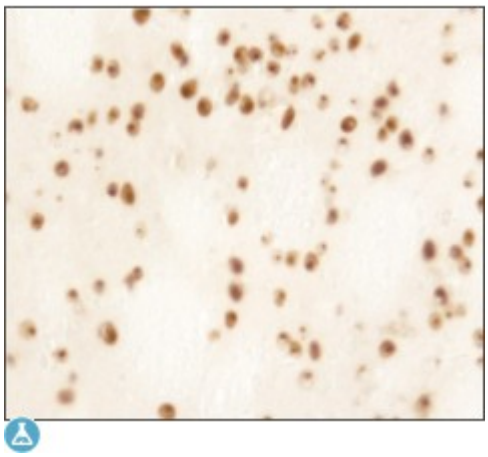
Anti-HTT antibody



Description	Huntingtin is a protein linked to Huntington's disease, a neurodegenerative disorder characterized by loss of striatal neurons.

Model	STJ140045
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	IF, IHC, WB
Immunogen	Purified recombinant peptide derived from within residues 85 to 200 aa of human HTT produced in E. coli.
Immunogen Region	85-200 aa
Gene ID	3064
Gene Symbol	HTT
Dilution range	Western blot 1:500-1:2,000 Immunofluorescence 1:500-1:2,000 Immunohistochemistry (paraffin) 1:500-1:2,000 Immunohistochemistry (frozen) 1:500-1:2,000
Tissue Specificity	Expressed in the brain cortex (at protein level). Widely expressed with the highest level of expression in the brain (nerve fibers, varicosities, and nerve endings). In the brain, the regions where it can be mainly found are the cerebellar cortex, the neocortex, the striatum, and the hippocampal formation. .
Purification	This antibody is epitope-affinity purified from goat antiserum.
Note	For research use only (RUO).

Protein Name	Huntingtin Huntington disease protein HD protein
Molecular Weight	348 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:4851OMIM:143100
Alternative Names	Huntingtin Huntington disease protein HD protein
Function	May play a role in microtubule-mediated transport or vesicle function.
Sequence and Domain Family	The N-terminal Gln-rich and Pro-rich domain has great conformational flexibility and is likely to exist in a fluctuating equilibrium of alpha-helical, random coil, and extended conformations.
Cellular Localization	Cytoplasm. Nucleus. The mutant Huntingtin protein colocalizes with AKAP8L in the nuclear matrix of Huntington disease neurons. Shuttles between cytoplasm and nucleus in a Ran GTPase-independent manner.