

Huntingtin (neoepitope 586) antibody

Cat. No. GTX54522

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr, ELISA
Reactivity	Human, Mouse

Package
100 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500
ICC/IF	1:50-1:200
IHC-Fr	1:50 - 1:200
ELISA	1:20 - 1:100

Not tested in other applications.

Calculated MW 348 kDa. ([Note](#))**Product Note** This antibody recognizes the 586 cleaved fragment without detecting the full-length form.

Properties

Form	Liquid
Buffer	PBS, 0.1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.6 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptide conjugated to KLH via cysteine corresponding to CPSDSSEIVLD (577-586) of Human HTT.
Purification	Purified by affinity chromatography
Conjugation	Unconjugated



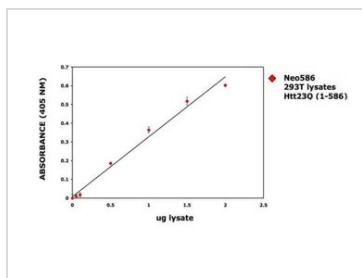
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Note

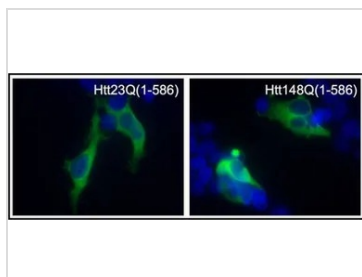
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DATA IMAGES



GTX54522 ELISA Image

Sandwich ELISA was performed with a Huntingtin monoclonal antibody and GTX54522 Huntingtin (neoepitope 586) antibody to determine the antigen concentration of the Huntingtin cleavage products. The curve represents a dose response for neo586 in 293T cells overexpressing the Htt construct.



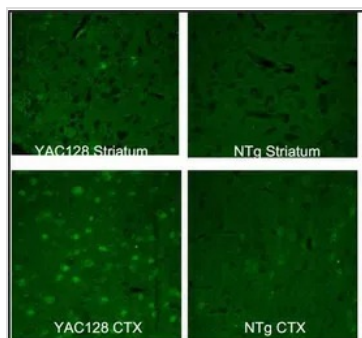
GTX54522 ICC/IF Image

ICC/IF analysis of 293T cells transfected with Htt23Q and Htt148Q stop constructs ending in amino acid 586 using GTX54522 Huntingtin (neoepitope 586) antibody.

Fixation : Formalin

Permeabilization : 0.1% Triton X-100 in TBS for 10 minutes

Dilution : 1:50 for at least 1 hour at room temperature

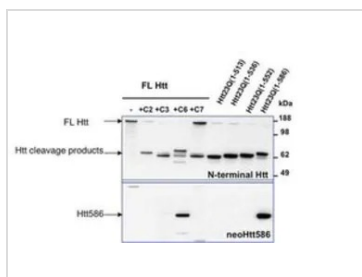


GTX54522 IHC-Fr Image

IHC-Fr analysis of mouse striatum (top panels) and cortex (bottom panels) tissue from either transgenic HD mice of the YAC128 line (left panels) or their WT littermates (right panels) using GTX54522 Huntingtin (neoepitope 586) antibody.

Green : Primary antibody

Dilution : 1:50



GTX54522 WB Image

WB analysis of endogenous HTT lysates with or without different caspase activity (Lanes 1-5) and overexpressed recombinant HTT fragment lysates (Lanes 6-9) using GTX54522 Huntingtin (neoepitope 586) antibody (Bottom panel) and pan-HTT antibody (Top panel).

Dilution : 1:500

Loading :20 µg



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