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Product datasheet for TA591055

Huntingtin (HTT) Rabbit Monoclonal Antibody [Clone ID: OTIR4A12]

Product data:

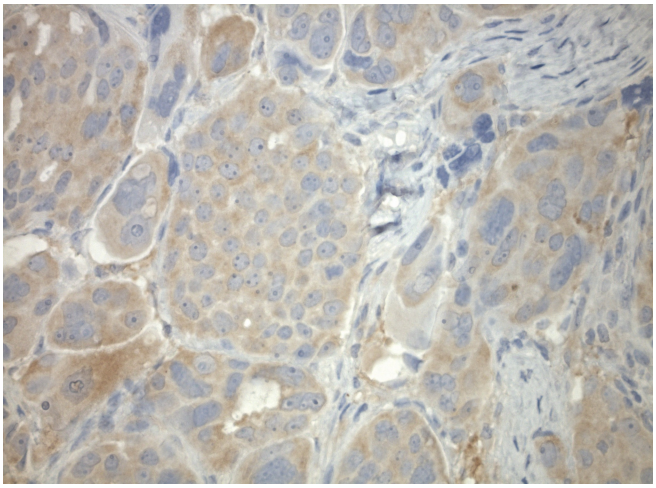
Product Type:	Primary Antibodies
Clone Name:	OTIR4A12
Applications:	WB
Recommended Dilution:	WB1:500
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Full length protein
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1mg/ml
Purification:	Purified from cell culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt
Predicted Protein Size:	350 kDa
Gene Name:	huntingtin
Database Link:	Entrez Gene 3064 Human P42858

View online »

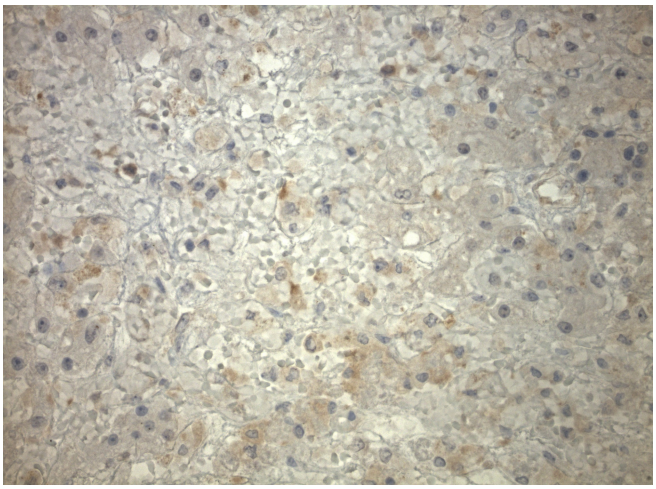
Background:

Huntington's disease (HD) is a neurodegenerative disorder caused by an expanding polyglutamine repeat in the huntingtin gene. HD is a mid-life onset autosomal dominant neurodegeneative disease that is characterized by psychiatric disorders, dementia, and involuntary movements (chorea), leading to death in 10-20 years. The HD gene product is widely expressed in human tissues, with the highest level of expression in the brain. The huntingtin gene product is expressed at similar levels in patients and controls, which suggests that the expansion of the polyglutamine repeat induces a toxic gain of function perhaps through interactions with other cellular proteins. Using yeast two-hybrid system, HAP1 (huntingtin associated protein 1) has been identified, that associates with huntingtin protein. The In vitro data suggest that the association between HAP1 and huntingtin is enhanced by increasing length of glutamine repeat.

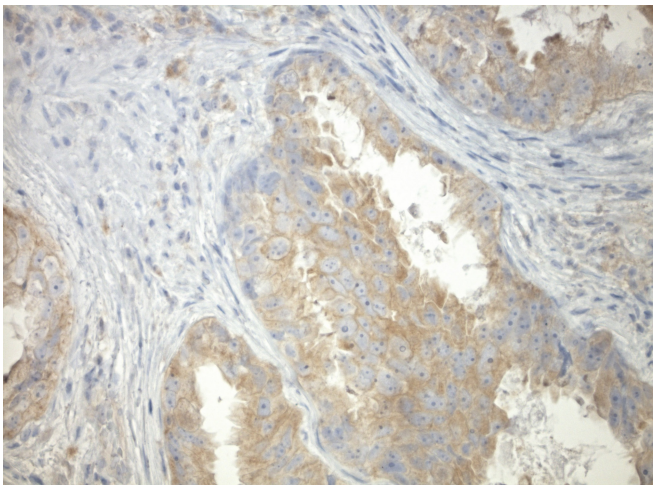
Product images:



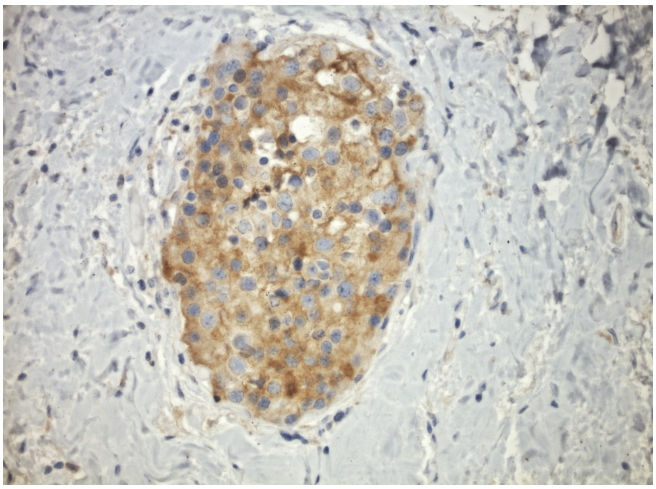
Immunohistochemical staining of paraffin-embedded stomach cancer using anti-HTT C/N TA591055 clone OTI4A12 rabbit monclonal antibody. HIER ACCEL buffer pH9 ([B22-125]) at 110C for 10 min, anti-HTT diluted to 1:100. Detection was done with Polink1 Rabbit C/N [D13-18] with DAB Kit. Image 40x magnification.



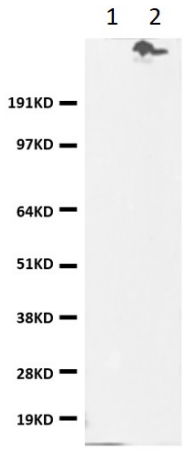
Immunohistochemical staining of paraffin-embedded liver cancer using anti-HTT C/N TA591055 clone OTI4A12 rabbit monclonal antibody. HIER ACCEL buffer pH9 ([B22-125]) at 110C for 10 min, anti-HTT diluted to 1:100. Detection was done with Polink1 Rabbit C/N [D13-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded colon cancer using anti-HTT C/N TA591055 clone OTI4A12 rabbit monclonal antibody. HIER ACCEL buffer pH9 ([B22-125]) at 110C for 10 min, anti-HTT diluted to 1:100. Detection was done with Polink1 Rabbit C/N [D13-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded breast cancer using anti-HTT C/N TA591055 clone OTI4A12 rabbit monclonal antibody. HIER ACCEL buffer pH9 ([B22-125]) at 110C for 10 min, anti-HTT diluted to 1:100. Detection was done with Polink1 Rabbit C/N [D13-18] with DAB Kit. Image 40x magnification.



HEK293T cells were transfected with the pCMV6-ENTRY control (lane 1, 5ug) or HTT protein ([TP318435], lane 2, 5ug) . SDS-PAGE and immunoblotted with anti-HTT (TA591055, 1:500).