

Huntingtin Rabbit mAb

Catalog No: #49841

Package Size: #49841-1 50ul #49841-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

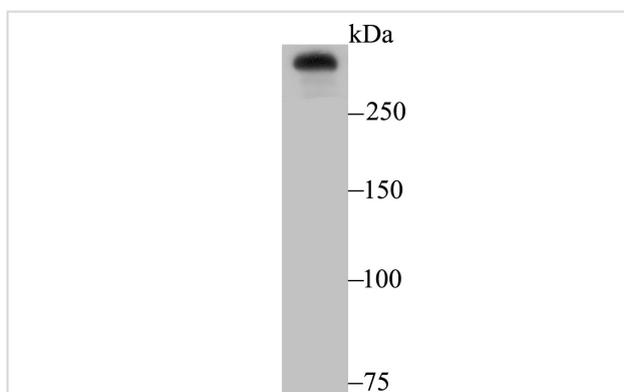
Description

Product Name	Huntingtin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB89-34
Purification	ProA affinity purified
Applications	WB,IHC,FC,ICC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	AI256365 antibody C430023111Rik antibody HD antibody HD protein antibody HD_HUMAN antibody HDH antibody HTT antibody Huntingtin antibody HUNTINGTON CHOREA antibody Huntington disease protein antibody Huntington's disease protein homolog antibody IT 15 antibody IT15 antibody OTTMUSP00000026909 antibody ZHD antibody
Accession No.	Swiss-Prot#:P42858
Uniprot	P42858
GeneID	3064;
Calculated MW	347 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

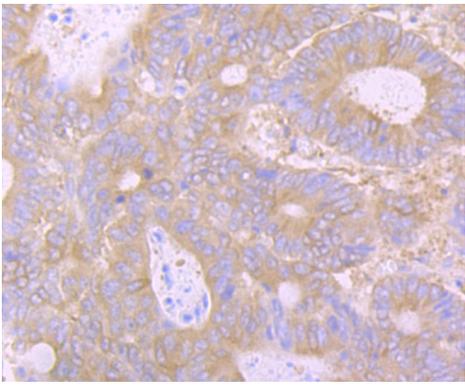
Application Details

WB: 1:500 IHC: 1:50-1:200 ICC: 1:50FC: 1:50-1:100

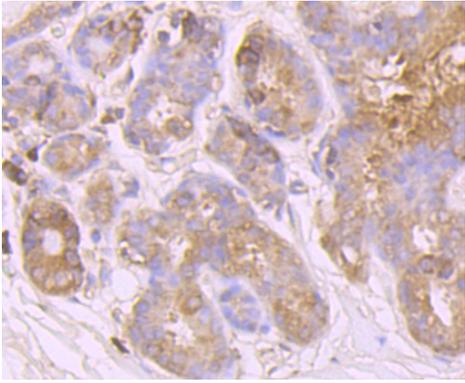
Images



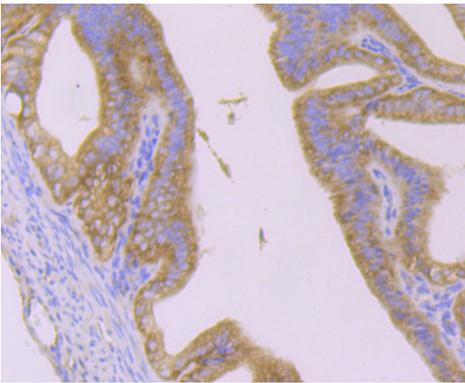
Western blot analysis of Huntingtin on A431 cell using anti-Huntingtin antibody at 1/500 dilution.



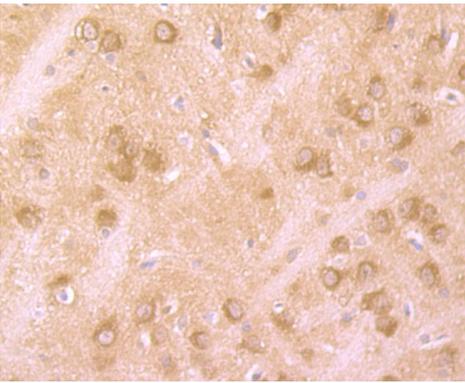
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Huntingtin antibody. Counter stained with hematoxylin.



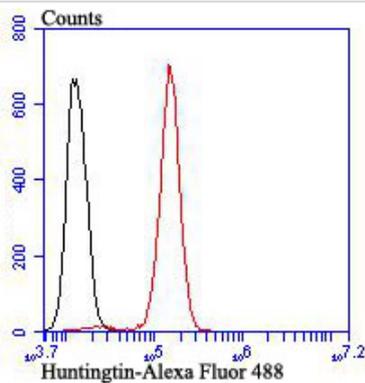
Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-Huntingtin antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse epididymis tissue using anti-Huntingtin antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Huntingtin antibody. Counter stained with hematoxylin.



Flow cytometric analysis of SH-SY-5Y cells with Huntingtin antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

The huntingtin gene, also called the HTT or HD (Huntington disease) gene, is the IT15 ("interesting transcript 15") gene, which codes for a protein called the huntingtin protein. It is variable in its structure, as the many polymorphisms of the gene can lead to variable numbers of glutamine residues present in the protein. The mass of huntingtin protein is dependent largely on the number of glutamine residues it has, the predicted mass is around 350 kDa. Normal huntingtin is generally accepted to be 3144 amino acids in size. The exact function of this protein is not known, but it plays an important role in nerve cells. Within cells, huntingtin may be involved in signaling, transporting materials, binding proteins and other structures, and protecting against programmed cell death (apoptosis). The huntingtin protein is required for normal development before birth. It is expressed in many tissues in the body, with the highest levels of expression seen in the brain.

References

Note: This product is for in vitro research use only