

## ATX3,ATXN3 Polyclonal Antibody

Catalog number: 13505-1-AP

Size: 37 µg/150 µl

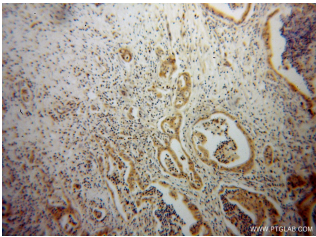
Source: Rabbit

Isotype: IgG

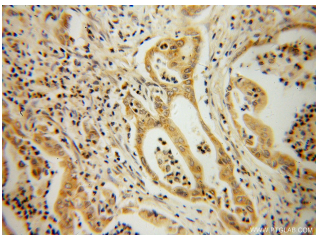
Synonyms:

ATXN3; AT3, ataxin 3, ATX3,

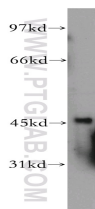
ATXN3, JOS, MJD, MJD1, SCA3



Immunohistochemical of paraffin-embedded human pancreas cancer using 13505-1-AP(ATX3,ATXN3 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human pancreas cancer using 13505-1-AP(ATX3,ATXN3 antibody) at dilution of 1:100 (under 40x lens)



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 13505-1-AP(ATX3,ATXN3 antibody) at dilution of 1:500

### Background

ATXN3, which has deubiquitinase activity and act as a component of the ubiquitin proteasome system, plays a role in transcriptional regulation and neuroprotection. ATXN3 interacts with RAD23, HHR23A and HHR23B, involves in the pathology of MJD. ATXN3 is a mixed-linkage, chain-editing enzyme and that the UIM region of ATXN3 regulates its substrate specificity. Contains an N-terminal deubiquitinating domain, called the Josephin domain, followed by 2 ubiquitin-interacting motifs (UIMs) and a polyQ tract near the C terminus. ATXN3 can be phosphorylated in a protein casein kinase-2-dependent manner, thus the MW would be larger than the predicted one.

### Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated ATX3, ATXN3 MW:	370aa, 43 kDa
Observed ATX3, ATXN3 MW:	35-42 kDa
Positive WB detected in	Mouse pancreas tissue, HEK-293 cells, mouse brain tissue, mouse heart tissue, mouse liver tissue, mouse placenta tissue
Positive IHC detected in	Human pancreas cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4341
GenBank accession number:	BC033711
Gene ID (NCBI):	4287
Full name:	Ataxin 3

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.