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## **Images**



#### Overview

Quantity:	100 μg
Target:	Ataxin 3 (ATXN3)
Binding Specificity:	AA 1-288
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ataxin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

#### **Product Details**

Immunogen:	Recombinant Human Ataxin-3 protein (1-288AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

### Target Details

Target:	Ataxin 3 (ATXN3)
Alternative Name:	ATXN3 (ATXN3 Products)
Background:	Background: Deubiquitinating enzyme involved in protein homeostasis maintenance, transcription, cytoskeleton regulation, myogenesis and degradation of misfolded chaperone

substrates. Binds long polyubiquitin chains and trims them, while it has weak or no activity against chains of 4 or less ubiquitins. Involved in degradation of misfolded chaperone substrates via its interaction with STUB1/CHIP: recruited to monoubiquitinated STUB1/CHIP, and restricts the length of ubiquitin chain attached to STUB1/CHIP substrates and preventing further chain extension. In response to misfolded substrate ubiquitination, mediates deubiquitination of monoubiquitinated STUB1/CHIP. Interacts with key regulators of transcription and represses transcription: acts as a histone-binding protein that regulates transcription.

Aliases: AT3 antibody, Ataxin 3 antibody, ataxin 3 variant h antibody, ataxin 3 variant m antibody, ataxin 3 variant ref antibody, Ataxin-3 antibody, ATX3 antibody, ATX3\_HUMAN antibody, ATXN3 antibody, EC 3.4.22. antibody, JOS antibody, Josephin antibody, Machado Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3) antibody, Machado Joseph disease antibody, Machado Joseph disease protein 1 antibody, Machado-Joseph disease protein 1 antibody, Machado-Joseph disease protein 1 homolog antibody, MJD antibody, MJD gene antibody, MJD1 antibody, Olivopontocerebellar ataxia 3 antibody, OTTHUMP00000221583 antibody, OTTHUMP00000221585 antibody, OTTHUMP00000231995 antibody, OTTHUMP00000231997 antibody, Rsca3 antibody, SCA3 antibody, SCA3 gene antibody, Spinocerebellar ataxia type 3 protein antibody

UniProt: P54252

#### **Application Details**

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

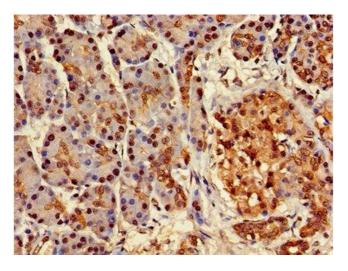
#### Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Storage Comment:

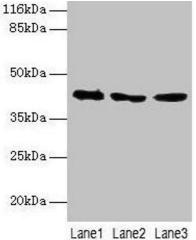
Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

#### **Images**



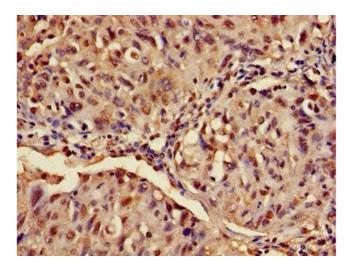
#### **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7144793 at dilution of 1:100



#### **Western Blotting**

**Image 2.** Western blot All lanes: ATXN3 antibody at  $2 \mu g/mL$  Lane 1: 293T whole cell lysate Lane 2: Mouse brain tissue Lane 3: MCF-7 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 42, 36, 40, 21 kDa Observed band size: 42 kDa



#### **Immunohistochemistry**

**Image 3.** Immunohistochemistry of paraffin-embedded human lung cancer using ABIN7144793 at dilution of 1:100