

anti- Ataxin 2 antibody

Product Information

Catalog No.:	FNab00657
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

This gene belongs to a group of genes that is associated with microsatellite-expansion diseases, a class of neurological and neuromuscular disorders caused by expansion of short stretches of repetitive DNA. The protein encoded by this gene has two globular domains near the N-terminus, one of which contains a clathrin-mediated trans-Golgi signal and an endoplasmic reticulum exit signal. The encoded cytoplasmic protein localizes to the endoplasmic reticulum and plasma membrane, is involved in endocytosis, and modulates mTOR signals, modifying ribosomal translation and mitochondrial function. The N-terminal region of the protein contains a polyglutamine tract of 14-31 residues that can be expanded in the pathogenic state to 32-200 residues. Intermediate length expansions of this tract increase susceptibility to amyotrophic lateral sclerosis, while long expansions of this tract result in spinocerebellar ataxia-2, an autosomal-dominantly inherited, neurodegenerative disorder. Genome-wide association studies indicate that loss-of-function mutations in this gene may be associated with susceptibility to type I diabetes, obesity and hypertension. Alternative splicing results in multiple transcript variants.

Immunogen information

Immunogen:	ataxin 2
Synonyms:	ataxin 2, ATX2, ATXN2, SCA2, TNRC13
Observed MW:	140-150 kDa

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Uniprot ID : Q99700

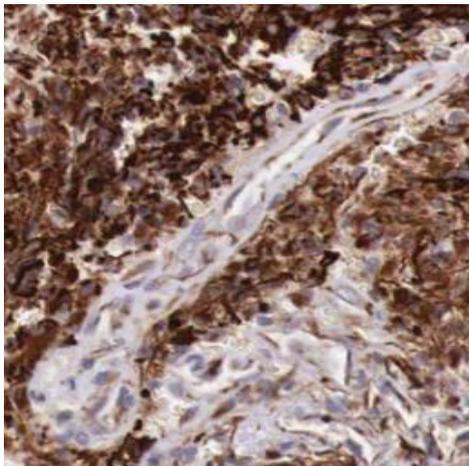
Application

Reactivity: Human, Mouse, Rat

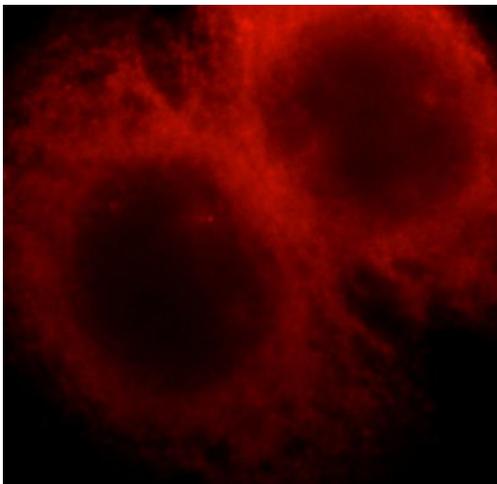
Tested Application: ELISA, IHC, IF, WB, IP

Recommended dilution: WB: 1:1000-1:4000; IP: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100

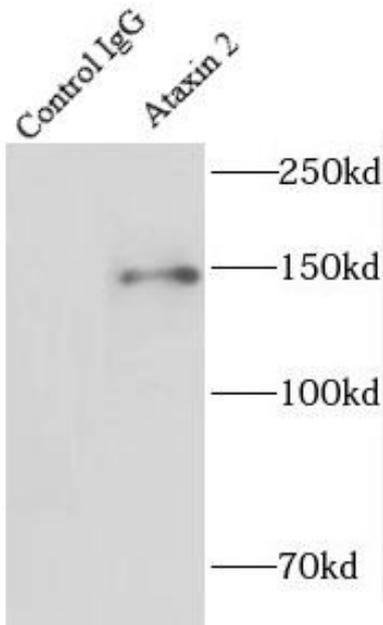
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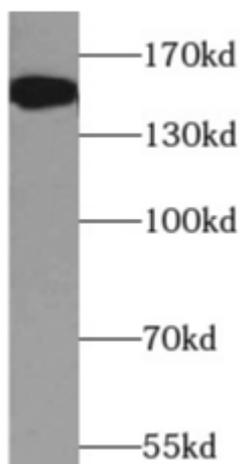
Immunohistochemistry of paraffin-embedded human gliomas using FNab00657(ATXN2 antibody) at dilution of 1:50



Immunofluorescent analysis of HepG2 cells using FNab00657 (Ataxin 2 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG



IP Result of anti-Ataxin 2 (IP:FNab00657, 4ug;
Detection:FNab00657 1:1000) with HEK-293 cells
lysate 1200ug.



Jurkat cells were subjected to SDS PAGE followed
by western blot with FNab00657(Ataxin 2
Antibody) at dilution of 1:2000