Product Datasheet

Ataxin 1 Antibody (APC) (orb151100)

Catalog Number	orb151100
Category	Antibodies
Description	Mouse monoclonal to Ataxin 1 (APC). Ataxin-1 is a member of the ATXN1 protein family and contains a single AXH domain. It is a neurodegenerative disorder protein thought to have a role in the metabolism of RNA as it has been shown to localize to the RNA and transcription dependent inclusions within the nucleus. A mutation of Ataxin-1 is the cause of spinocerebellar ataxia type-1 (SCA1), a progressive, neurodegenerative disease that is autosomal dominant and primarily affects the Purjinke cells found in brain stem neuronal populations and the cerebellum. Expression of Ataxin-1 is almost ubiquitous, except in the brain where it is isolated to populations of neurons..
Target	Ataxin 1
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	APC
Reactivity	Human, Mouse, Rat
Concentration	1 mg/ml
Buffer/Preservatives	95.46mM Phosphate, 2.48mM MES and 2mM EDTA
Purification	Protein G Purified
Immunogen	Synthetic peptide amino acids 746-761 (RKRRWSAPETRKLEKS) of mouse ataxin-1. Rat: 93% identity (15/16 amino acids identical). Human: 87% identity (14/16 amino acids identical).

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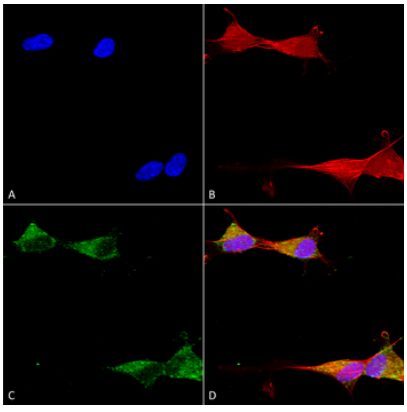
UniProt ID	**P54254**
MW	85kDa
Tested applications	ICC, IF, WB
Dilution range	WB (1:1000)
Application notes	1 µg/ml was sufficient for detection of Ataxin 1 in 20 µg of COS cells transiently transfected with Ataxin-1 lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Specificity	Detects ~85kDa. No cross-reactivity against phosphor S751-Ataxin-1. Minimal cross-reactivity against S751A mutant of Ataxin-1 by ELISA and immunofluorescence and negative by immunoblot.
Clone Number	N65/37 (Formerly sold as S65-37)
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	**20238**
NCBI	**NP_001186233.1**
Expiration Date	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ataxin 1 Monoclonal Antibody, Clone N65/37. Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Ataxin 1 Monoclonal Antibody at 1:50 for overnight at 4°C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Ataxin 1 Antibody (D) Composite.

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