

AB-NN205-2

Ataxin 1 Antibody

Pan-specific monoclonal antibody (S65-37) for monitoring the expression of mouse Ataxin 1



KINEXUS

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Target Protein

Name Long:	Ataxin-1
Alias:	Ataxin-1, ATX1, Atxn1, D6S504E, OTTHUMP00000016065, SCA1, Spinocerebellar ataxia type 1 protein, Spinocerebellar ataxia type 1 protein homolog
UniProt ID:	P54254 - Mouse
Human Predicted Mass (KDa):	86.923 (815 AA; P54253-1)
Observed SDS-PAGE Mass (KDa):	85

Immunogen

Antibody Immunogen Source:	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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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-475 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.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~85 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	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.

This product is for in vitro research use only and is not intended for use in humans or animals.

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