

# Biotin-conjugated Ataxin 2 Polyclonal antibody

Catalog Number: **Biotin-21776**

## Basic Information

Catalog Number: Biotin-21776	GenBank Accession Number: BC114546	Purification Method: Antigen affinity purification
Size: 467 µg/ml	GeneID (NCBI): 6311	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q99700	
Isotype: IgG	Full Name: ataxin 2	
Immunogen Catalog Number: AG16470	Calculated MW: 1313 aa, 140 kDa	

## Applications

Tested Applications: IHC	Positive Controls: IHC : mouse brain tissue,
Species Specificity: human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

ATXN2 contains a repeat structure with 22 or 23 triplets coding for glutamine and the (CAG)<sub>8</sub>CAA(CAG)<sub>4</sub>CAA(CAG)<sub>8</sub> sequence; expansion of this domain to a size ≥34 triplets with a pure CAG sequence primarily causes autosomal dominant SCA2 [PMID:18418684], while ATXN2 expansions with CAA interruptions were observed as the cause of Levo-dopa responsive Parkinson's disease [PMID:10668726]. ATXN2 expansions associated with ALS were reported to be interrupted by at least one CAA triplet [PMID:21537950].

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

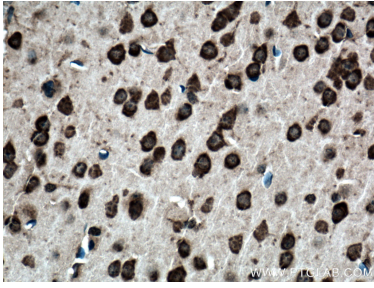
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using Biotin-21776 (Ataxin 2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).