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## Datasheet for ABIN1400883 **anti-ATAD3A antibody (Alexa Fluor 350)**

### Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µL  |
| Target:      | ATAD3A  |
| Reactivity:  | Human, Mouse, Rat   |
| Host:        | Rabbit  |
| Clonality:   | Polyclonal  |
| Conjugate:   | This ATAD3A antibody is conjugated to Alexa Fluor 350                           |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | KLH conjugated synthetic peptide derived from human ATAD3A |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Mouse, Rat  |
| Purification:     | Purified by Protein A.                                     |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | ATAD3A  |
| Alternative Name: | ATAD3A ( <a href="#">ATAD3A Products</a> )  |
| Background:       | Synonyms: AAA-ATPase TOB3, ATAD3B, ATAD3C, Atad3a, ATPase family AAA domain containing protein 3A, ATPase family AAA domain-containing protein 3, ATPase family, AAA domain containing 3A, FLJ10709, FLJ35514, AAA ATPase TOB3, AAA-TOB3, ATPase family AAA domain containing protein 3B, ATPase family, AAA domain containing 3B, ATPase family, |

## Target Details

AAA domain containing, member 3B, TOB3, ATAD3A\_HUMAN, ATAD3A/B/C.

Background: The AAA ATPase family of molecular chaperones are characterized by a highly conserved AAA motif. Composed of 200-250 residues, the AAA domain contains Walker homology sequences and imparts ATPase activity. Members of the AAA ATPase family act as DNA helicases as well as transcription factors and are thought to be involved in several cellular functions such as cell-cycle regulation, protein proteolysis, organelle biogenesis and vesicle-mediated protein transport. Mitochondrial membrane proteins ATAD3A and ATAD3B contribute to the stabilization of nucleoids which are large mitochondrial DNA (mtDNA)-protein complexes. ATAD3A/B may participate in the transformation pathway and the chemosensitivity of oligodendrogliomas. The genes encoding ATAD3A/B/C maps to human chromosome 1, which houses over 3,000 genes and is the largest human chromosome spanning about 260 million base pairs and making up 8 % of the human genome.

Gene ID: 55210

## Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months