

Datasheet for ABIN2814085

**anti-OLA1 antibody (AbBy Fluor® 594)**[Go to Product page](#)

## Overview

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                          |
| Target:      | OLA1                                                                            |
| Reactivity:  | Human, Mouse, Rat                                                               |
| Host:        | Rabbit                                                                          |
| Clonality:   | Polyclonal                                                                      |
| Conjugate:   | This OLA1 antibody is conjugated to AbBy Fluor® 594                             |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human GTPBP9 |
| Isotype:          | IgG                                                        |
| Cross-Reactivity: | Human, Mouse, Rat                                          |
| Purification:     | Purified by Protein A.                                     |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | OLA1                                                                                                                                                                                                                                                                                                                                                                           |
| Alternative Name: | GTPBP9 ( <a href="#">OLA1 Products</a> )                                                                                                                                                                                                                                                                                                                                       |
| Background:       | <p>Synonyms: DNA damage-regulated overexpressed in cancer 45 protein, DOC45, GBP45, GTP-binding protein 9 putative, GTP-binding protein 9, GTP-binding protein PTD004, homologous yeast-44.2 protein, Obg like ATPase 1, Obg-like ATPase 1, OLA1, OLA1_HUMAN, PTD004.</p> <p>Background: GTP-binding protein 9 is a 396 amino acid protein that belongs to the Obg-related</p> |

## Target Details

GTPase family under the translation factors (TRAFAC) class. Originally thought to only have GTPase activity, Obg-related GTPase family members have been shown to also have ATPase activity. In Homo sapians, GTPBP9 exhibits a preference for binding ATP over GTP, with GTP binding occuring only at high nucleotide concentration. One cause for ATP affinity and GTP discrimination is thought to be a substitution of glutamine for a hydrophobic amino acid in Obg-related family members, this is the same substitution that inactivates Ras-like GTPases. GTPBP9 contains a C-terminal TGS domain that binds to ligands and an N-terminal G domain which binds nucleotides. GTPBP9 is expressed as three isoforms produced by alternative splicing.

Gene ID: 29789

## 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