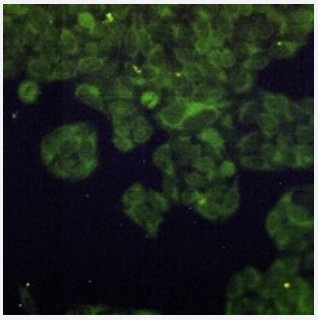
RecomAb™

# ADSS2 recombinant monoclonal antibody

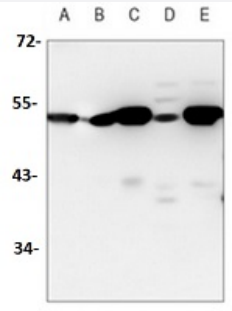
Catalog # RAB02464 Size 100 uL

## Applications



### Immunofluorescence

Immunofluorescent analysis of HeLa cells with ADSS recombinant monoclonal antibody (Cat # RAB02464). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.




### Western Blot

Western blot analysis of K562 (A), rat brain (B), C6 (C), NIH3T3 (D), Hela (E) whole cell lysates with ADSS recombinant monoclonal antibody (Cat # RAB02464).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human ADSS2. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against recombinant protein of human AdSS 2. |
| **Theoretical MW (kDa)** | 54 |
| **Reactivity** | Human, Mouse, Rat |
| **Specificity** | Recognizes endogenous levels of ADSS protein. |

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| | |
|---|---|
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Immunogen affinity chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | Immunocytochemistry (1:50-1:100)<br>Immunofluorescence (1:50-1:100)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA) |
| **Storage Instruction** | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunofluorescence

  Immunofluorescent analysis of HeLa cells with ADSS recombinant monoclonal antibody (Cat # RAB02464). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

- Immunocytochemistry

- Western Blot

  Western blot analysis of K562 (A), rat brain (B), C6 (C), NIH3T3 (D), Hela (E) whole cell lysates with ADSS recombinant monoclonal antibody (Cat # RAB02464).

## Gene Info — ADSS

| | |
|---|---|
| **Entrez GeneID** | 159 |
| **Protein Accession#** | P30520 |

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| | |
|---|---|
| **Gene Name** | ADSS |
| **Gene Alias** | ADEH, MGC20404 |
| **Gene Description** | adenylosuccinate synthase |
| **Omim ID** | 103060 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Adenylosuccinate synthetase catalyzes the first committed step in the conversion of IMP to AMP [ provided by RefSeq |
| **Other Designations** | Adenylosuccinate synthetase (Ade(-)H-complementing)\|OTTHUMP00000037982 |

## Pathway

- Alanine
- Biosynthesis of alkaloids derived from histidine and purine
- Metabolic pathways
- Purine metabolism

## Disease

- Ataxia telangiectasia
- Genetic Predisposition to Disease
- Schizophrenia

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