Datasheet for ABIN968485

# anti-STRAP antibody (AA 42-154)

3 Images | 1 Publication

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 50 µg |
| Target: | STRAP |
| Binding Specificity: | AA 42-154 |
| Reactivity: | Human, Rat |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This STRAP antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

## Product Details

| | |
|---|---|
| Immunogen: | Mouse STRAP aa. 42-154 |
| Clone: | 22-STRAP |
| Isotype: | IgG1 |
| Cross-Reactivity: | Rat (Rattus), Human |
| Characteristics: | 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.<br>2. Please refer to us for technical protocols.<br>3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.<br>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States. |
| Purification: | The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity |

## Product Details

chromatography.

## Target Details

| | |
|---|---|
| Target: | STRAP |
| Alternative Name: | STRAP (STRAP Products) |
| Background: | The transforming growth factor beta (TGF-beta) family of cytokines plays diverse and important roles in growth, development, and differentiation. Three high affinity TGF-beta receptor types have been characterized. Both type I and type II receptors are type I transmembrane proteins which contain a Ser/Thr-kinase in their cytosolic domains. Type III receptor, also known as betaglycan, has no cytosolic signaling motif and functions in the presentation of TGF-beta to the type I and type II receptors. The cytosolic domain kinase of the type I receptor is thought to be transphosphorylated by the corresponding kinase of the type II receptor, leading to activation of downstream substrates. Ser/Thr receptor associated protein (STRAP) contains six WD domains, which are characteristic of signal transduction proteins. STRAP can associate with both TGF-betaI and TGF-betaII receptors and overexpression of STRAP leads to inhibition of TGF-beta-dependent transcriptional activation. STRAP is expressed ubiquitously in species ranging from yeast to human. Thus, STRAP may be an important element of TGF-beta signal transduction pathways in a variety of tissues and species. |
| Molecular Weight: | 39 kDa |

## Application Details

| | |
|---|---|
| Comment: | Related Products: ABIN968545, ABIN967389 |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 250 µg/mL |
| Buffer: | Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

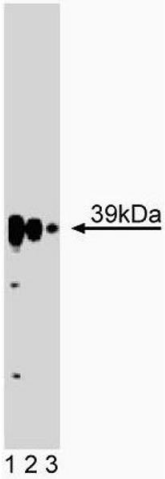
## Handling

| | |
|---|---|
| Storage: | -20 °C |
| Storage Comment: | Store undiluted at -20°C. |

## Publications

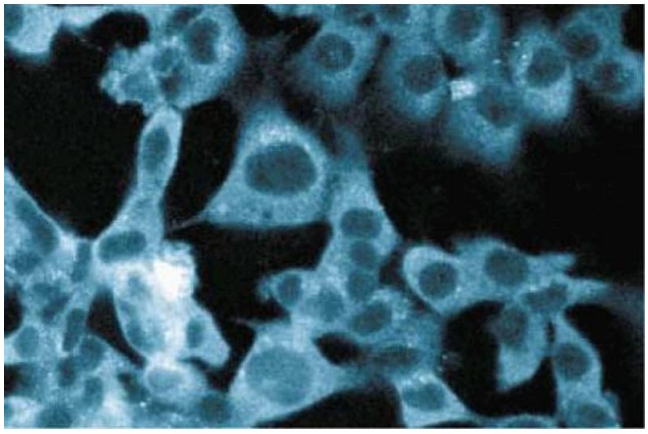
| | |
|---|---|
| Product cited in: | Datta, Chytil, Gorska, Moses: "Identification of STRAP, a novel WD domain protein in transforming growth factor-beta signaling." in: **The Journal of biological chemistry**, Vol. 273, Issue 52, pp. 34671-4, (1999) (PubMed). |

## Images




**Western Blotting**

**Image 1.** Western blot analysis of STRAP on rat brain lysate. Lane 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of anti-STRAP antibody.



**Immunofluorescence**

**Image 2.** Immunofluorescent staining of ES2 cells.

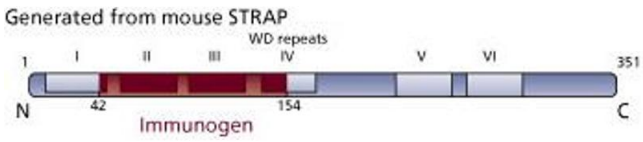



**Image 3.**