

## Anti-ACSM2A Antibody

Catalog Number: A11795-1

### About ACSM2A

This gene encodes a mitochondrial acyl-coenzyme A synthetase that is specific for medium chain fatty acids. These enzymes catalyze fatty acid activation, the first step of fatty acid metabolism, through the transfer of acyl-CoA. These enzymes also participate in the glycine conjugation pathway in the detoxification of xenobiotics such as benzoate and ibuprofen. Expression levels of this gene in the kidney may be correlated with kidney function. This gene and its paralog ACSM2B (Gene ID: 348158), both present on chromosome 16, likely arose from a chromosomal duplication event.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-ACSM2A Antibody   |
| Reactive Species     | Human, Mouse, Rat  |
| Description          | Boster Bio Anti-ACSM2A Antibody catalog # A11795-1. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.  |
| Application          | IF, IHC, ICC, WB   |
| Clonality            | Polyclonal   |
| Formulation          | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol<br>This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used.<br>For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.   |
| Host                 | Rabbit   |
| Uniprot ID           | Q08AH3   |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | E.coli-derived human ACSM2A recombinant protein (Position: S225-A387).   |
| Form                | Liquid   |
| Concentration       | 500 ug/ml  |
| Purification        | Immunogen affinity purified.   |
| Suggested Dilutions | Western blot, 1:500-2000<br>Immunohistochemistry, 1:50-400<br>Immunocytochemistry/Immunofluorescence, 1:50-400 |

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Anti-ACSM2A Antibody

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