

## SMYD5 Conjugated Antibody

Catalog No: #C43418



Package Size: #C43418-AF350 100ul #C43418-AF405 100ul #C43418-AF488 100ul

#C43418-AF555 100ul #C43418-AF594 100ul #C43418-AF647 100ul

#C43418-AF680 100ul #C43418-AF750 100ul #C43418-Biotin 100ul

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## Description

|                       |                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | SMYD5 Conjugated Antibody                                                                                                                                                    |
| Host Species          | Rabbit                                                                                                                                                                       |
| Clonality             | Polyclonal                                                                                                                                                                   |
| Species Reactivity    | Hu                                                                                                                                                                           |
| Specificity           | The antibody detects endogenous levels of total SMYD5 protein.                                                                                                               |
| Immunogen Description | Synthetic peptide of human SMYD5                                                                                                                                             |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750                                                                                                                       |
| Other Names           | RRG1; RAI15; NN8-4AG; ZMYND23                                                                                                                                                |
| Accession No.         | Swiss-Prot#:Q6GMV2?NCBI Gene ID:10322NCBI mRNA#:NP_006053NCBI Protein#:                                                                                                      |
| Uniprot               | Q6GMV2                                                                                                                                                                       |
| GeneID                | 10322;                                                                                                                                                                       |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 47KD                                                                                                                                                                         |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide                                                                                  |
| Storage               | Store at 4°C in dark for 6 months                                                                                                                                            |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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The SMYD (SET and MYND domain) family of lysine methyltransferases (KMTs) plays pivotal roles in various cellular processes, including gene expression regulation and DNA damage response. SMYD1, SMYD2, and SMYD3 share a high degree of sequence homology and, with the exception of SMYD5, human SMYD proteins harbor at least one C-terminal tetratricopeptide repeat (TPR) domain. The SMYD proteins have been found to be linked to various cancers and biological processes.

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Note: This product is for in vitro research use only